TOSHIBA Leading Innovation

2014 / 15

PRICE LIST

Airconditioning systems

TERMS OF BUSINESS

General

As far as nothing else has been declared, the general terms of business and the agreed purchase conditions including the sales discounts are valid. Arrangements that differ from our terms are only valid on condition that we confirm this explicit and in writing.

Jurisdiction

Exclusive jurisdiction for both partners is the «Landes- als Handelsgericht» Graz. For the contractual relations Austrian law is valid.

Quotation

Our prices are quoted inclusively normal packaging ex loading platform of the forwarding agency Gebrüder Weiss Maria Lanzendorf, without loading. Costs incurred due to special requests are met by the purchaser. Incoterms are valid in the version of 2010. Separate agreements for pricing are noted on the purchase conditions.

Passing of the risk

The risk goes over the purchaser as soon as the goods have left the loading platform on which they had been prepared for collection. The risk of loading is taken by the purchaser.

Dispatch

Orders for dispatches abroad cannot be carried out by us.

Take-over of the goods

When taking over the goods, the forwarding agency organised by the purchaser or the collector has the duty to check the delivery according to the order. Any damages noticed on the carton box or on the unit itself have to be noted on the delivery note when taking over and immediately reported to the forwarding agency. Latent defects have to be notified in Austria within 7 days and in export countries 10 days from date of collection, otherwise claims will not be accepted by the insurance company. In case of transport damages a written reclamation for visible damages is necessary immediately, at the latest within 7 days.

Wrong deliveries

Costs and follow-up costs that result from wrong deliveries cannot be asserted.

Material warranty

Claims for material warranty can be asserted from the purchaser within 36 months from date of delivery and date of invoice using our provided form for material warranty claims and against returning the faulty part if we ask for this. The material warranty only contains the replacing of spare parts ex our warehouse. We clearly mention that the material warranty does not include the refund of costs for wages, travel costs etc. Condition for accepting the material warranty claim is the proper installation by a specialist according to the TOSHIBA installation rules, permitted operating conditions and the periodical service following the TOSHIBA maintenance guidelines. In case of an improper installation or non-compliance of the permitted operation conditions and maintenance guidelines resp. wrong dimensioning, claims for material warranty will be refused.

Reservation of ownership

We reserve the ownership of the delivered goods until all outstanding receivables against the purchaser out of the business relation are settled inclusively debts that will arise from simultaneous or later concluded contracts.

Cancellation fee

For the cancellation of orders we allow us to charge in general the amount of € 60,--. When receiving the cancellation after the preparation of the goods and invoice or after issuing export documents we charge the amount of € 120,--.

Delay in payment / Default interests

In case of a delay in payment by the principal, we reserve the right to retain all future services till full settlement of the delayed payment. As far as this delay is not limited to a small amount Air-Cond is entitled for all subsequent orders, which already have been confirmed, to demand payment in advance. On delay the client has to pay on the amount due interests to the extent of 8% points on top of the base rate annually.
Any rights of Air-Cond to request additional delay damages shall remain unaffected.

Export declaration (valid for Non-EU member states)

The purchaser commits himself to send us the export declaration (customs' confirmation that the goods left the EU) within 14 days after the collection under registered mail. In case of omission we charge 20% VAT, customs duty and a fine of the customs authorities.

Measuring conditions for TOSHIBA air-conditioners

Cooling:	Outdoor air temperature: + 35 °C DB temperature
	Indoor air temperature: + 27 °C DB temperature /+ 19 °C WB temperature
	Humidity: 50-55% relative humidity
Heating:	Outdoor air temperature: + 7°C DB temperature /+ 6 °C WB temperature
	Indoor air temperature: + 20°C DB temperature
Refrigeration pipes:	7,5 m length - no height difference between indoor and outdoor unit
Sound pressure level:	measured in about 1,5 m distance* to the indoor unit and 1 m distance to the outdoor unit;
	these values are determined in an anechoic chamber in accordance with JIS B8616;
	in the installed state, these values may be higher because of external factors influence

* For detailed specification please see the service manual

Validity of the price list: 1st March 2014 until 28th February 2015
The price list is subject to the general terms of business of company Air-Cond Klimaanlagen-Handelsgesellschaft m.b.H

Subject to changes without notice! All specifications, model names and figures are subject to typing and printing errors.

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PRICE LIST – RESIDENTIAL

AvAnt Inverter

SALES

Sales units at sensational prices. Access now.

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- Entry inverter with a great price performance ratio
- Compact design with inverter technology
- Washable filters

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
AvAnt Inverter (Infrared remote control included)											
RAS-077SKV-E5*	**2,00** (1,10 - 2,30)	**2,50** (1,00- 2,80)	B / A	4,60	3,80	275 × 790 × 205	0,27 - 0,70	0,20 - 0,72	53 / 54	**220,–**	**720,–**
RAS-077SAV-E5*						530 × 660 × 240			62 / 64	**500,–**	
RAS-107SKV-E6	**2,50** (1,20 - 3,00)	**3,20** (0,90 - 3,50)	A / A	5,10	3,80	275 × 790 × 205	0,29 - 1,05	0,21 - 0,97	55 / 56	**265,–**	**870,–**
RAS-107SAV-E6						530 × 660 × 240			63 / 65	**605,–**	
RAS-137SKV-E6	**3,15** (1,20 - 3,60)	**3,60** (0,95 - 4,00)	A / A	5,10	3,80	275 × 790 × 205	0,28 - 1,50	0,21 - 1,18	56 / 57	**265,–**	**965,–**
RAS-137SAV-E6						530 × 660 × 240			63 / 65	**700,–**	
RAS-167SKV-E5	**4,40** (1,10 - 5,00)	**5,20** (1,00 - 6,20)	A⁺ / A	5,80	3,80	275 × 790 × 205	0,26 - 1,90	0,19 - 1,81	60 / 60	**300,–**	**1.250,–**
RAS-167SAV-E5						550 × 780 × 290			64 / 65	**950,–**	

*Phase-out model, available while stocks last

Accessories

Type		Single price excl. VAT (EUR)
818F0023	Optional filter strips for the Avant series	**23,–**

Suzumi Plus

- Hybrid inverter with very good efficiency values
- Beautiful design, with optional silver front panel
- IAQ filter system

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
Suzumi Plus (Infrared remote control included)											
RAS-B10N3KV2-E	**2,50** (1,10 - 3,00)	**3,20** (0,90 - 4,80)	A⁺⁺ / A⁺	6,70	4,00	275 × 790 × 225	0,25 - 0,82	0,17 - 1,40	53 / 54	**375,–**	**1.055,–**
RAS-10N3AV2-E						550 × 780 × 290			61 / 62	**680,–**	
RAS-B13N3KV2-E	**3,50** (0,80 - 4,10)	**4,20** (0,90 - 5,60)	A⁺⁺ / A	6,20	3,90	275 × 790 × 225	0,15 - 1,25	0,15 - 1,58	54 / 55	**405,–**	**1.230,–**
RAS-13N3AV2-E						550 × 780 × 290			63 / 65	**825,–**	
RAS-B16N3KV2-E	**4,50** (0,80 - 5,00)	**5,50** (0,90 - 6,90)	A⁺⁺ / A	6,10	3,90	275 × 790 × 225	0,15 - 1,72	0,15 - 1,98	60 / 60	**445,–**	**1.460,–**
RAS-16N3AV2-E						550 × 780 × 290			64 / 65	**1.015,–**	
RAS-18N3KV2-E	**5,00** (1,10 - 6,00)	**5,80** (0,80 - 6,30)	A⁺⁺ / A⁺	7,00	4,10	320 × 1050 × 243	0,18 - 2,00	0,14 - 1,70	59 / 59	**460,–**	**1.730,–**
RAS-18N3AV2-E						550 × 780 × 290			64 / 65	**1.270,–**	
RAS-B22N3KV2-E	**6,00** (1,20 - 6,70)	**7,00** (1,00 - 7,50)	A⁺⁺ / A⁺	6,50	4,00	320 × 1050 × 243	0,20 - 2,65	0,18 - 2,21	60 / 60	**560,–**	**1.950,–**
RAS-22N3AV2-E						550 × 780 × 290			65 / 65	**1.390,–**	

● Cooling ● Heating

Accessories

Type		Single price excl. VAT (EUR)
43T09485	Panel in silver, compatible with Suzumi Plus Size 10-16	**55,–**
43T09486	Panel in silver, compatible with Suzumi Plus Size 18, 22	**65,–**
818F0036	Replacement filter strips for the series Suzumi Plus	**30,–**

PRICE LIST – RESIDENTIAL

Super Daiseikai 8

- Premium model with excellent efficiency values
- New, elegant design including color LED
- Powerful filter system

Type	Capacity (kW) ●	Capacity (kW) ●	Energy label ● / ●	Efficiency SEER	Efficiency SCOP	Dimensions (H × B × D) (mm)	Power consumption (kW) ●	Power consumption (kW) ●	Sound power level (dB(A)) ● / ●	Single price excl. VAT (EUR)	Set price excl. VAT (EUR)
Super Daiseikai 8 (Infrared remote control included)											
RAS-10G2KVP-E	**2,50** (0,55 - 3,50)	**3,20** (0,45 - 5,80)	A+++/A+++	9,10	5,20	293 x 831 x 270	0,11 - 0,90	0,09 - 1,65	57 / 58	**550,–**	**1.780,–**
RAS-10G2AVP-E						630 x 800 x 300			61 / 61	**1.230,–**	
RAS-13G2KVP-E	**3,50** (0,63 - 4,10)	**4,00** (0,65 - 6,30)	A+++/A+++	8,90	5,10	293 x 831 x 270	0,17 - 1,10	0,14 - 1,80	58 / 59	**580,–**	**1.960,–**
RAS-13G2AVP-E						630 x 800 x 300			63 / 64	**1.380,–**	
RAS-16G2KVP-E	**4,50** (0,63 - 5,00)	**5,50** (0,65 - 6,80)	A++/A++	7,30	4,60	293 x 831 x 270	0,17 - 1,75	0,14 - 2,12	59 / 60	**660,–**	**2.510,–**
RAS-16G2AVP-E						630 x 800 x 300			64 / 64	**1.850,–**	

*available from June

Super Daiseikai 6

SALES
Daiseikai quality at low prices. Access now.
More on page 59

Super Daiseikai 6.5

SALES
Daiseikai quality at low prices. Access now.
More on page 59

Console

- Bi-flow console with variable possibilities of air outlet
- Floor-heating-effect
- Large radial fan for extra quiet operation

Type	Capacity (kW) ●	Capacity (kW) ●	Energy label ● / ●	Efficiency SEER	Efficiency SCOP	Dimensions (H × B × D) (mm)	Power consumption (kW) ●	Power consumption (kW) ●	Sound power level (dB(A)) ● / ●	Single price excl. VAT (EUR)	Set price excl. VAT (EUR)
Console (Infrared remote control included)											
RAS-B10UFV-E	**2,50** (1,10 - 3,10)	**3,20** (1,00 - 4,80)	A++ / A+	6,60	4,00	600 × 700 × 220	0,23 - 0,82	0,18 - 1,40	54 / 54	**870,–**	**1.550,–**
RAS-10N3AV2-E						550 × 780 × 290			59 / 60	**680,–**	
RAS-B13UFV-E	**3,50** (1,10 - 4,10)	**4,20** (1,00 - 5,40)	A++ / A	6,20	3,90	600 × 700 × 220	0,23 - 1,35	0,18 - 1,70	55 / 55	**950,–**	**1.775,–**
RAS-13N3AV2-E						550 × 780 × 290			61 / 63	**825,–**	
RAS-B18UFV-E	**5,00** (1,00 - 5,70)	**5,80** (1,10 - 6,30)	A+ / A	5,70	3,80	600 × 700 × 220	0,20 - 1,95	0,20 - 2,20	60 / 60	**1.140,–**	**2.410,–**
RAS-18N3AV2-E						550 × 780 × 290			64 / 64	**1.270,–**	
RAS-B10UFV-E	**2,50** (1,10 - 3,10)	**3,20** (0,90 - 4,80)	A++ / A+	6,60	4,00	600 × 700 × 220	0,23 - 0,82	0,18 - 1,40	54 / 54	**870,–**	**1.465,–**
RAS-10SAV2-E*						550 × 780 × 290			59 / 60	**595,–**	

● Cooling ● Heating *Phase-out model, available while stocks last

Accessories

Type		Single price excl. VAT (EUR)
818F0036	Replacement filter strips for the console	**30,–**

Accessories: COMBI CONTROL

- Control of main functions via SMS such as on/off, operating mode, temperature and fan speed
- Alarm in case of power failure or too high / too low temperature
- Compatible with models in the series AvAnt, Suzumi Plus, RAS console and Super Daiseikai 8

Type		Single price excl. VAT (EUR)
RBC-Combi Control	Remote control of RAS indoor units via SMS or App (SIM card required!)*	**550,–**

* Mobile phone according to figure not included

RAS Inverter Multi systems >>Indoor units<<

- 2-, 3-, 4- and 5-room systems
- Space-saving installation
- Reduced installation time

Type	Capacity (kW) ●	Capacity (kW) ●	Efficiency SEER	Efficiency SCOP	Dimensions (H × B × D) (mm)	Sound power level (dB(A)) ● / ●	Single price excl. VAT (EUR)
Suzumi Plus Hi-wall indoor units (Infrared remote control included)							
RAS-B10N3KV2-E	**2,50** (1,10 - 3,00)	**3,20** (0,90 - 4,80)	–	–	275 × 790 × 225	53 / 54	**375,–**
RAS-B13N3KV2-E	**3,50** (0,80 - 4,10)	**4,20** (0,90 - 5,60)	–	–	275 × 790 × 225	54 / 55	**405,–**
RAS-B16N3KV2-E	**4,50** (0,80 - 5,00)	**5,50** (0,90 - 6,90)	–	–	275 × 790 × 225	60 / 60	**445,–**
RAS-B22N3KV2-E	**6,00** (1,20 - 6,70)	**7,00** (1,00 - 7,50)	–	–	320 × 1050 × 243	60 / 60	**560,–**
Super Daiseikai 6.5 (Standard infrared remote control included)							
RAS-B10N3KVP-E	**2,51** (0,80 - 3,50)	**3,21** (0,80 - 5,80)	–	–	275 × 790 × 225	57 / 58	**450,–**
RAS-B13N3KVP-E	**3,52** (0,90 - 4,10)	**4,22** (0,80 - 5,90)	–	–	275 × 790 × 225	58 / 59	**480,–**
RAS-B16N3KVP-E	**4,53** (0,90 - 5,00)	**5,53** (0,80 - 6,70)	–	–	275 × 790 × 225	60 / 60	**530,–**
Console (Infrared remote control included)							
RAS-B10UFV-E	**2,50** (1,10 - 3,10)	**3,20** (1,00 - 4,80)	–	–	600 × 700 × 220	54 / 54	**870,–**
RAS-B13UFV-E	**3,50** (1,10 - 4,10)	**4,20** (1,00 - 5,40)	–	–	600 × 700 × 220	55 / 55	**950,–**
RAS-B18UFV-E	**5,00** (1,00 - 5,70)	**5,80** (1,10 - 6,30)	–	–	600 × 700 × 220	60 / 60	**1.140,–**
60×60 4-way-cassette (Infrared remote control included)							
RAS-M10SMUV-E	**2,50** (1,10 - 3,20)	**3,20** (0,70 - 5,20)	–	–	268 × 575 × 575	52 / 52	**940,–**
RAS-M13SMUV-E	**3,50** (1,10 - 4,40)	**4,20** (0,70 - 6,50)	–	–	268 × 575 × 575	53 / 53	**985,–**
RAS-M16SMUV-E	**4,50** (1,40 - 4,90)	**5,50** (0,80 - 6,90)	–	–	268 × 575 × 575	55 / 55	**1.020,–**
RB-B11MC(W)-E, Panel	–	–	–	–	27 × 700 × 700	–	**200,–**

● Cooling ● Heating Documented efficiencies in detail on the Web at www.toshiba-aircondition.com

Accessories: Hi-wall

Type		Single price excl. VAT (EUR)
43T09485	Panel in silver, compatible with Suzumi Plus size 10, 13, 16	**55,–**
43T09486	Panel in silver, compatible with Suzumi Plus size 18, 22	**65,–**
43T09487	Panel in silver, compatible with Super Daiseikai 6.5, all sizes	**55,–**
818F0036	Replacement filter strips for Suzumi Plus, Super Daiseikai 6.5, Console	**30,–**

Table of combinations RAS Multi outdoor units

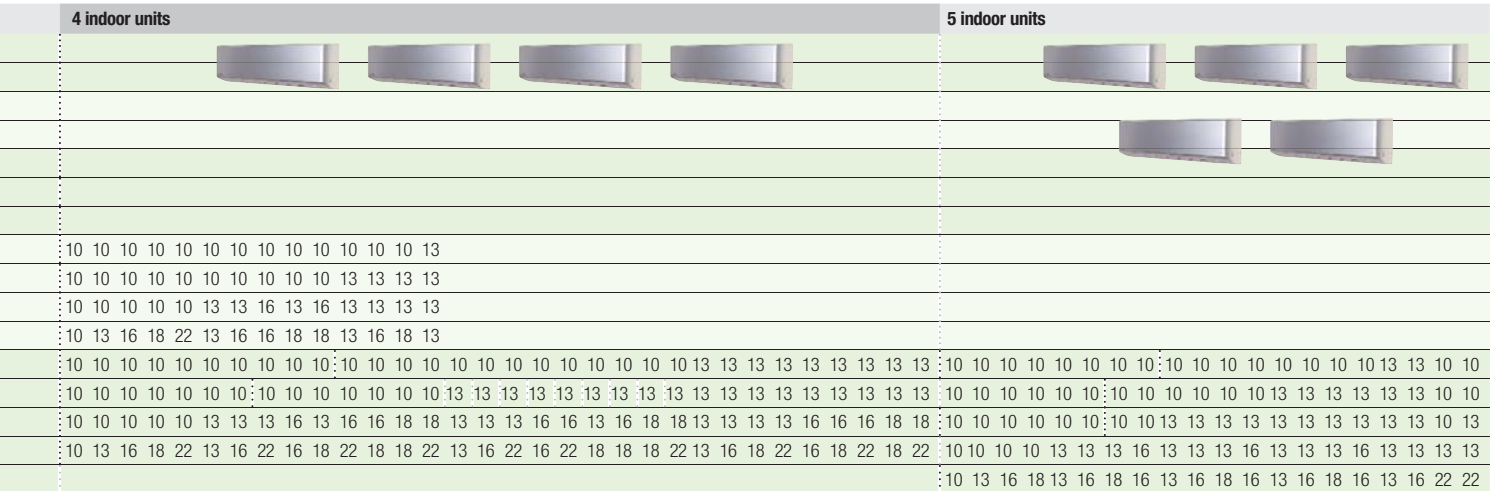
	1 indoor unit	2 indoor units	3 indoor units
RAS-M14GAV-E	10 13	10 13	
		10 10	
RAS-M18UAV-E	10 13 16	10 10 10 13 13	
		10 13 16 13 16	
RAS-3M26UAV-E		10 10 10 10 10 13 13 13 13 16 16 16 18 18	10 10 10 10 10 10 10 10 10 10 10 10 13 13 13 13 13 13 13 16 16 16
		10 13 16 18 22 13 16 18 22 16 18 22 18 22	10 10 10 10 10 13 13 13 13 16 16 16 13 13 13 13 16 16 16 16 16 16
			10 13 16 18 22 13 16 18 22 16 18 22 13 16 18 22 16 18 22 16 18 22
RAS-4M27UAV-E		10 10 10 10 10 13 13 13 13 16 16 16 18 18	10 10 10 10 10 10 10 10 10 10 10 10 10 10 13 13 13 13 13 13 13 13 16 16
		10 13 16 18 22 13 16 18 22 16 18 22 18 22	10 10 10 10 10 13 13 13 13 16 16 16 18 18 13 13 13 13 16 16 16 18 18 16 16
			10 13 16 18 22 13 16 18 22 16 18 22 18 22 13 16 18 22 16 18 22 18 22 16 22
RAS-5M34UAV-E1		10 10 10 10 10 13 13 13 13 16 16 16 18 18 22	10 10 10 10 10 10 10 10 10 10 10 10 13 13 13 16 13 13 13 10 13 10
		10 13 16 18 22 13 16 18 22 16 18 22 18 22 22	10 10 10 10 10 13 13 13 13 16 16 16 13 13 16 16 16 16 18 18 18 22
			10 13 16 18 22 13 16 18 22 16 18 22 18 22 16 16 18 22 18 22 22 22

RAS Inverter Multi systems >>Outdoor units<<

Type	Capacity (kW)		Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)
	●	●	SEER	SCOP		●	●	● / ●	
Hybrid Inverter Multi outdoor units									
RAS-M14GAV-E	**4,00** (1,40 - 4,50)	**4,40** (0,90 - 5,20)	5,80	3,90	550 × 780 × 290	1,08	1,01	59 / 61	**1.280,–**
RAS-M18UAV-E	**5,20** (1,40 - 6,20)	**5,60** (0,90 - 8,30)	6,30	4,60	550 × 780 × 290	1,44	1,79	64 / 66	**1.360,–**
RAS-3M26UAV-E	**7,50** (4,10 - 9,00)	**9,00** (2,00 - 11,20)	5,80	4,50	890 × 900 × 320	2,00	2,20	63 / 64	**2.180,–**
RAS-4M27UAV-E	**8,00** (4,20 - 9,30)	**9,00** (3,20 - 11,70)	6,00	4,30	890 × 900 × 320	2,29	1,93	63 / 63	**2.520,–**
RAS-5M34UAV-E1	**10,00** (3,70 - 11,00)	**12,00** (3,40 - 14,00)	6,20	4,10	890 × 900 × 320	2,92	2,83	66 / 69	**2.910,–**

● Cooling ● Heating Documented efficiencies in detail on the Web at www.toshiba-aircondition.com

Heat pump



PRICE LIST – RESIDENTIAL

Model	Hi-wall		
Model name	**AvAnt**	**Suzumi Plus**	**Super Daiseikai 8**
Cooling	●	●	●
Heating	●	●	●
Hybrid inverter control	●	●	●
Rotary compressor	●	● 10/13	
Twin-Rotary compressor		● 16/18/22	●
Dust filter	●	●	●
IAQ filter		●	
Active carbon-catechin filter	optional		
Plasma filter (pure mode)			●
Air ionizer			
Pico ionizer			●
Self-cleaning function	●	●	●
Automatic mode	●	●	●
Hi Power	●	●	●
Automatic diagnostic	●	●	●
Eco mode	●	●	●
Quiet mode		●	●
Comfort sleep		●	●
Power selection			●
Weekly timer			●
Timer		●	
Off Timer	●		
Automatic restart	●	●	●
8 °C setting			●
Floor mode			
Preset mode		●	●
One-touch pre-set			
Single model	●	●	●
Multi model		●	
Power supply	230 V	230 V	230 V

	Floor	Cassette	Model
Super Daiseikai 6.5	Console	60 × 60 4-way cassette	Model name
●	●	●	Cooling
●	●	●	Heating
●	●	●	Hybrid inverter control
	● 10/13		Rotary compressor
●	● 18	●	Twin-Rotary compressor
●	●	●	Dust filter
●	●		IAQ filter
			Active carbon-catechin filter
●			Plasma filter (pure mode)
●			Air ionizer
			Pico ionizer
●	●	●	Self-cleaning function
●	●	●	Automatic mode
●	●	●	Hi Power
●	●	●	Automatic diagnostic
●	●	●	Eco mode
	●		Quiet mode
●	●		Comfort sleep
●			Power selection
			Weekly timer
●	●	●	Timer
			Off Timer
●	●	●	Automatic restart
			8 °C setting
	●		Floor mode
●	●	●	Preset mode
●	●		One-touch pre-set
	●		Single model
●	●	●	Multi model
230 V	230 V	230 V	Power supply

ADDITIONAL INFORMATION

Type	Capacity (kW)	Length of pipes (m)			Dimensions of pipes (inches)		Refrigerant weight	Additional charge
	● / ●	min./max.	Height difference	pre-charged	Gas side	Liquid side	(kg)	(g/m)
RAS Inverter								
RAS-107SAV-E6	2,50 / 3,20	2/15	8	15	3/8	1/4	0,63	-
RAS-137SAV-E6	3,15 / 3,20	2/15	8	15	3/8	1/4	0,63	-
RAS-167SAV-E5	4,40 / 5,20	2/20	10	15	1/2	1/4	1,05	20
RAS-10N3AV2-E	2,50 / 3,20	2/20	10	15	3/8	1/4	0,80	20
RAS-13N3AV2-E	3,50 / 4,20	2/20	10	15	3/8	1/4	0,80	20
RAS-16N3AV2-E	4,50 / 5,50	2/20	10	15	1/2	1/4	1,10	20
RAS-18N3AV2-E	5,00 / 5,80	2/20	10	15	1/2	1/4	1,40	20
RAS-22N3AV2-E	6,00 / 7,00	2/20	10	15	1/2	1/4	1,40	20
RAS-10G2AVP-E	2,50 / 3,20	2/25	10	15	3/8	1/4		
RAS-13G2AVP-E	3,50 / 4,00	2/25	10	15	3/8	1/4		
RAS-16G2AVP-E	4,50/ 5,50	2/25	10	15	1/2	1/4		
RAS-10SAVP2-E	2,51 / 3,21	2/25	10	15	3/8	1/4	1,05	20
RAS-13SAVP2-E	3,52 / 4,22	2/25	10	15	3/8	1/4	1,05	20
RAS-16SAVP2-E	4,53 / 5,53	2/25	10	15	1/2	1/4	1,05	20
RAS-10N3AVP-E	2,51 / 3,21	2/25	10	15	3/8	1/4	1,05	20
RAS-13N3AVP-E	3,52 / 4,22	2/25	10	15	3/8	1/4	1,05	20
RAS-16N3AVP-E	4,53 / 5,53	2/25	10	15	1/2	1/4	1,05	20
RAS Multi Inverter								
RAS-M14GAV-E	4,00 / 4,40	2/30	10	20	3/8	1/4	0,90	20
RAS-M18UAV-E	5,20 / 5,60	2/30	10	20	3/8	1/4	1,20	20
RAS-3M26UAV-E	7,50 / 9,00	3/70	15	25	3/8 *- 1/2 **	1/4	2,40	20
RAS-4M27UAV-E	8,00 / 9,00	3/70	15	25	3/8 * - 1/2 **	1/4	2,40	20
RAS-5M34UAV-E1	10,00 / 12,00	3/80	15	25	3/8 *- 1/2 **	1/4	2,99	20
Digital Inverter								
RAV-SM564ATP-E	5,00 / 5,30	5/30	30	20	1/2	1/4	1,10	40
RAV-SM804ATP-E	6,70 / 7,70	5/30	30	20	5/8	3/8	1,70	40
RAV-SM1104ATP-E	10,00 / 11,20	5/50	30	30	5/8	3/8	2,80	40
RAV-SM1404ATP-E	12,10 / 12,80	5/50	30	30	5/8	3/8	2,80	40
RAV-SM1603AT-E	14,00 / 16,00	5/50	30	30	5/8	3/8	3,10	40
DI BIG								
RAV-SM2244AT8-E	20,00 / 22,40	7,5/70	30	30	1 1/8	1/2	5,90	40
RAV-SM2804AT8-E	23,00 / 27,00	7,5/70	30	30	1 1/8	1/2	5,90	40
S-DI								
RAV-SP564ATP-E	5,00 / 5,60	5/50	30	20	1/2	1/4	1,40	40
RAV-SP804ATP-E	7,10 / 8,00	5/50	30	30	5/8	3/8	2,10	40
RAV-SP1104AT-E	10,00 / 11,20	5/75	30	30	5/8	3/8	3,10	40
RAV-SP1404AT-E	12,50 / 14,00	5/75	30	30	5/8	3/8	3,10	40
S-DI 3-phase								
RAV-SP1104AT8-E	10,00 / 11,20	3/75	30	30	5/8	3/8	3,10	40
RAV-SP1404AT8-E	12,50 / 14,00	3/75	30	30	5/8	3/8	3,10	40
RAV-SP1604AT8-E	14,00 / 16,00	3/75	30	30	5/8	3/8	3,10	40

● Cooling ● Heating * when connecting RAS-M/B10 or RAS-M/B13 indoor units ** when connecting RAS-M/B16 or RAS-B18/B22 indoor units

ADDITIONAL INFORMATION

Type	Capacity (kW)	Power supply		Electronical wire	Remote control
	● / ●	Power supply	Fuse (tr.) (V / A)	indoor / outdoor (mm²)	IR / (mm²)
RAS Inverter					
RAS-107SAV-E6	2,50 / 3,20	Outdoor unit	220-240 / 10	4 × 1,5	IR
RAS-137SAV-E6	3,15 / 3,20	Outdoor unit	220-240 / 10	4 × 1,5	IR
RAS-167SAV-E5	4,40 / 5,20	Outdoor unit	220-240 / 16	4 × 1,5	IR
RAS-10N3AV2-E	2,50 / 3,20	Outdoor unit	220-240 / 10	4 × 1,5	IR
RAS-13N3AV2-E	3,50 / 4,20	Outdoor unit	220-240 / 10	4 × 1,5	IR
RAS-16N3AV2-E	4,50 / 5,50	Outdoor unit	220-240 / 16	4 × 1,5	IR
RAS-18N3AV2-E	5,00 / 5,80	Outdoor unit	220-240 / 16	4 × 1,5	IR
RAS-22N3AV2-E	6,00 / 7,00	Outdoor unit	220-240 / 16	4 × 1,5	IR
RAS-10G2AVP-E	2,50 / 3,20	Outdoor or indoor unit	220-240 / 10	4 × 1,5	IR
RAS-13G2AVP-E	3,50 / 4,00	Outdoor or indoor unit	220-240 / 10	4 × 1,5	IR
RAS-16G2AVP-E	4,50 / 5,50	Outdoor or indoor unit	220-240 / 16	4 × 1,5	IR
RAS-10SAVP2-E	2,51 / 3,21	Outdoor unit	220-240 / 10	4 x 1,5	IR
RAS-13SAVP2-E	3,52 / 4,22	Outdoor unit	220-240 / 10	4 x 1,5	IR
RAS-16SAVP2-E	4,53 / 5,53	Outdoor unit	220-240 / 16	4 x 1,5	IR
RAS-10N3AVP-E	2,51 / 3,21	Outdoor unit	220-240 / 10	4 x 1,5	IR
RAS-13N3AVP-E	3,52 / 4,22	Outdoor unit	220-240 /10	4 x 1,5	IR
RAS-16N3AVP-E	4,53 / 5,53	Outdoor unit	220-240 / 16	4 x 1,5	IR
RAS Multi Inverter					
RAS-M14GAV-E	4,00 / 4,40	Outdoor unit	220-240 / 10	je 4 × 1,5	IR
RAS-M18UAV-E	5,20 / 5,60	Outdoor unit	220-240 / 10	je 4 × 1,5	IR
RAS-3M26UAV-E	7,50 / 9,00	Outdoor unit	220-240 / 16	je 4 × 1,5	IR
RAS-4M27UAV-E	8,00 / 9,00	Outdoor unit	220-240 / 16	je 4 × 1,5	IR
RAS-5M34UAV-E1	10,00 / 12,00	Outdoor unit	220-240 / 20	je 4 × 1,5	IR
Digital Inverter					
RAV-SM564ATP-E	5,00 / 5,30	Outdoor unit	220-240 / 13	4 × 1,5	2 x 0,75 / IR
RAV-SM804ATP-E	6,70 / 7,70	Outdoor unit	220-240 / 16	4 × 1,5	2 x 0,75 / IR
RAV-SM1104ATP-E	10,00 / 11,20	Outdoor unit	220-240 / 20	4 × 1,5	2 x 0,75 / IR
RAV-SM1404ATP-E	12,10 / 12,80	Outdoor unit	220-240 / 25	4 × 1,5	2 x 0,75 / IR
RAV-SM1603AT-E	14,00 / 16,00	Outdoor unit	220-240 / 32	4 × 1,5	2 x 0,75 / IR
DI BIG					
RAV-SM2244AT8-E	20,00 / 22,40	Outdoor unit	380-415 / 3 x 20	4 × 1,5	2 x 0,75 / IR
RAV-SM2804AT8-E	23,00 / 27,00	Outdoor unit	380-415 / 3 x 25	4 × 1,5	2 x 0,75 / IR
S-DI					
RAV-SP564ATP-E	5,00 / 5,60	Outdoor unit	220-240 / 13	4 × 1,5	2 x 0,75 / IR
RAV-SP804ATP-E	7,10 / 8,00	Outdoor unit	220-240 / 16	4 × 1,5	2 x 0,75 / IR
RAV-SP1104AT-E	10,00 / 11,20	Outdoor unit	220-240 / 20	4 × 1,5	2 x 0,75 / IR
RAV-SP1404AT-E	12,50 / 14,00	Outdoor unit	220-240 / 20	4 × 1,5	2 x 0,75 / IR
S-DI 3-phase					
RAV-SP1104AT8-E	10,00 / 11,20	Outdoor unit	380-415 / 3 x 20	4 × 1,5	2 x 0,75 / IR
RAV-SP1404AT8-E	12,50 / 14,00	Outdoor unit	380-415 / 3 x 20	4 × 1,5	2 x 0,75 / IR
RAV-SP1604AT8-E	14,00 / 16,00	Outdoor unit	380-415 / 3 x 20	4 × 1,5	2 x 0,75 / IR

● Cooling ● Heating

Information for the AIR CONDITIONING AT LOW OUTSIDE TEMPERATURES

Models	Official outdoor temperature range limits (acc. to TOSHIBA specification)	Low ambient operation	Automatic restart function after power failure
Digital Inverter & Super Digital Inverter & DI BIG			
RAV-SM564ATP-E **RAV-SM804ATP-E** **RAV-SM1104ATP-E** **RAV-SM1404ATP-E** **RAV-SM1603AT-E**	▪ Outdoor temperature range Cooling mode -15°C till +46°C ▪ Outdoor temperature range Heating mode -15°C till +15°C	Perfect for cooling operation at low outdoor temperature, as: ▪ Low ambient kit is included ▪ Oil heater is included ▪ Cooling is also possible with an outside temperature below -15 °C and unit doesn't switch off! ▪ Take care for wind protection! ▪ For the room inside air humidification might be necessary!	▪ Included (not activated by the factory) ▪ To activate: Hi-wall, cassette, duct, ceiling: Change in the DN Code menu of the remote control the value of line 28 from «0» to «1»
RAV-SP564ATP-E **RAV-SP804ATP-E** **RAV-SP1104AT-E** **RAV-SP1404AT-E**	▪ Outdoor temperature range Cooling mode -15°C till +43°C ▪ Outdoor temperature range Heating mode -20°C till +15°C		
RAV-SM2244AT8-E **RAV-SM2804AT8-E**	▪ Outdoor temperature range Cooling mode -15°C till +46°C ▪ Outdoor temperature range Heating mode -20°C till +15°C		
RAS Inverter Single AvAnt			
RAS-107SAV-E6 **RAS-137SAV-E6** **RAS-167SAV-E5**	▪ Outdoor temperature range Cooling mode -10°C till +46°C ▪ Outdoor temperature range Heating mode: -15°C till +24°C	▪ Not suitable for cooling mode at low outside temperatures as the unit will be switched off at an outside temperature of approx. -10°C! ▪ Cooling possible until -10°C ▪ Oil heater included	Included (not activated by the factory) To activate: ▪ Press the „Reset" button at the indoor unit for 3 seconds
RAS Inverter Single Suzumi Plus or Console			
RAS-10N3AV2-E **RAS-13N3AV2-E** **RAS-16N3AV2-E** **RAS-18N3AV2-E** **RAS-22N3AV2-E**	▪ Outdoor temperature range Cooling mode: -10°C till +46°C ▪ Outdoor temperature range Heating mode: -15°C till +24°C	▪ Not suitable for cooling mode at low outside temperatures as the unit will be switched off at an outside temperature of approx. -10°C! ▪ Cooling possible until -10°C ▪ Oil heater included	Included (not activated by the factory) To activate: ▪ Press the „Reset" button at the indoor unit for 3 seconds
RAS Single Super Daiseikai 6			
RAS-10SAVP2-E **RAS-13SAVP2-E** **RAS-16SAVP2-E**	▪ Outdoor temperature range Cooling mode: -10°C till +46°C ▪ Outdoor temperature range Heating mode: -15°C till +24°C	▪ Not suitable for cooling operation at low temperatures ▪ Cooling possible until -10°C ▪ Oil heater included	Included (not activated by the factory) To activate: ▪ Press the „Reset" button at the indoor unit for 3 seconds

Information for the AIR CONDITIONING AT LOW OUTSIDE TEMPERATURES

Models	Official outdoor temperature range limits (acc. to TOSHIBA specification)	Low ambient operation	Automatic restart function after power failure
RAS Single Super Daiseikai 6.5			
RAS-10N3AVP-E **RAS-13N3AVP-E** **RAS-16N3AVP-E**	■ Outdoor temperature range Cooling mode: -10°C till +46°C ■ Outdoor temperature range Heating mode: -15°C till +24°C	■ Not suitable for cooling operation at low temperatures ■ Cooling possible until -10°C ■ Oil heater included	Included (not activated by the factory) To activate: ■ Press the „Reset" button at the indoor unit for 3 seconds
RAS Single Super Daiseikai 8			
RAS-10G2AVP-E **RAS-13G2AVP-E** **RAS-16G2AVP-E**	■ Outdoor temperature range Cooling mode: -10°C till +46°C ■ Outdoor temperature range Heating mode: -15°C till +24°C		
RAS Inverter Multi			
RAS-M14GAV-E **RAS-M18UAV-E**	■ Outdoor temperature range Cooling mode +5°C till +43°C ■ Outdoor temperature range Heating mode -15°C till +24°C	Not suitable for cooling operation at low temperatures	Included (not activated by the factory) To activate: ■ Press the „Reset" button at the indoor unit for 3 seconds
RAS-3M26UAV-E **RAS-4M27UAV-E** **RAS-5M34UAV-E1**	■ Outdoor temperature range Cooling mode +10°C till +43°C ■ Outdoor temperature range Heating mode -15°C till +22°C		

Digital Inverter & Super Digital Inverter Hi-wall

- Elegant design & improved efficiency
- Precise temperature control in cooling and heating
- Efficient filter system for clean air
- Low noise level, 3-stage fan
- Large air conducting strip for optimum air distribution
- Auto restart after power failure

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
Digital Inverter Hi-wall (Infrared remote control included, TCC-Link remote control optional)											
RAV-SM566KRT-E	**5,00** (1,50 - 5,60)	**5,60** (1,50 - 6,30)	A⁺ / A⁺	5,77	4,00	320 × 1050 × 228	0,40 - 1,86	0,40 - 2,40	57 / 57	**515,–**	**1.715,–**
RAV-SM564ATP-E						550 × 780 × 290			63 / 65	**1.200,–**	
RAV-SM806KRT-E	**6,70** (1,50 - 7,00)	**8,00** (1,50 - 9,00)	A⁺ / A⁺	5,62	3,83	320 × 1050 × 228	0,50 - 2,85	0,50 - 3,46	62 / 62	**530,–**	**2.070,–**
RAV-SM804ATP-E						550 × 780 × 290			65 / 69	**1.540,–**	
Super Digital Inverter Hi-wall (Infrared remote control included, TCC-Link remote control optional)											
RAV-SM566KRT-E	**5,00** (1,20 - 5,60)	**5,60** (0,90 - 7,30)	A⁺ / A⁺	5,82	4,01	320 × 1050 × 228	0,21 - 2,05	0,17 - 2,57	57 / 57	**515,–**	**1.965,–**
RAV-SP564ATP-E						550 × 780 × 290			63 / 64	**1.450,–**	
RAV-SM806KRT-E	**7,10** (1,90 - 8,00)	**8,00** (1,30 - 10,60)	A⁺ / A	5,88	3,87	320 × 1050 × 228	0,30 - 2,88	0,27 - 3,87	62 / 62	**530,–**	**2.470,–**
RAV-SP804ATP-E						890 × 900 × 320			64 / 65	**1.940,–**	

Accessories

Type		Single price excl. VAT (EUR)
818F0036	Optional filter strips	**30,–**

Digital Inverter & Super Digital Inverter 60 × 60 4-way Cassette

- Compact indoor unit: suitable for all euro-grid ceilings
- Low unit height of only 268 mm
- Four air louvers for optimal air distribution
- Fresh air intake possible with external fan to 15% of the nominal amount of air in the indoor unit
- Drain pump with 850 mm lifting height installed (measured from the bottom edge of the unit)
- Auto restart after power failure

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
60 × 60 euro-grid 4-way-cassette											
RAV-SM564MUT-E	**5,00** (1,50 - 5,60)	**5,30** (1,50 - 6,30)	A / A⁺	5,48	4,16	268 × 575 × 575	0,30 - 1,86	0,30 - 2,40	58 / 58	**910,–**	**2.515,–**
RBC-UM11PG(W)-E						27 × 700 × 700			–	**310,–**	
RAV-SM564ATP-E						550 × 780 × 290			63 / 65	**1.200,–**	
RBC-AMT32E						–			–	**95,–**	
60 × 60 euro-grid 4-way-cassette											
RAV-SM564MUT-E	**5,00** (1,20 - 5,60)	**5,60** (0,90 - 7,40)	A⁺ / A⁺	5,61	4,20	268 × 575 × 575	0,21 - 2,29	0,17 - 2,37	58 / 58	**910,–**	**2.765,–**
RBC-UM11PG(W)-E						27 × 700 × 700			–	**310,–**	
RAV-SP564ATP-E						550 × 780 × 290			63 / 64	**1.450,–**	
RBC-AMT32E						–			–	**95,–**	

● Cooling ● Heating

Digital Inverter 4-way-Cassette

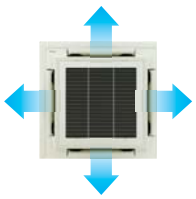
- Beautiful design with two ceiling panels to choose from (wider or direct airflow)
- Deodorising Ag+ ion capsule
- Fresh air intake possible with external fan to 20% of the nominal amount of air in the indoor unit
- Drain pump with 850 mm lifting height installed (measured from the bottom edge of the unit)
- Auto restart after power failure

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
Digital Inverter cassette											
RAV-SM564UTP-E						256 × 840 × 840			47 / 47	**840,–**	
RBC-U31PGP(W)-E	**5,00**	**5,30**	A⁺⁺ / A⁺	6,14	4,51	30 × 950 × 950	0,26 - 1,86	0,26 - 2,08	–	**270,–**	**2.405,–**
RAV-SM564ATP-E	(1,50 - 5,60)	(1,50 - 6,30)				550 × 780 × 290			63 / 65	**1.200,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM804UTP-E						256 × 840 × 840			50 /50	**960,–**	
RBC-U31PGP(W)-E	**6,70**	**7,70**	A⁺ / A⁺	5,81	4,05	30 × 950 × 950	0,26 - 2,60	0,26 - 3,03	–	**270,–**	**2.865,–**
RAV-SM804ATP-E	(1,50 - 8,00)	(1,50 - 9,00)				550 × 780 × 290			65 / 69	**1.540,–**	
RBC-AMT32E									–	**95,–**	
RAV-SM1104UTP-E						319 × 840 × 840			58 / 58	**1.180,–**	
RBC-U31PGP(W)-E	**10,00**	**11,20**	A⁺ / A⁺	5,87	4,28	30 × 950 × 950	0,60 - 4,10	0,60 - 4,30	–	**270,–**	**3.505,–**
RAV-SM1104ATP-E	(3,00 - 11,20)	(3,00 - 13,00)				890 × 900 × 320			70 / 71	**1.960,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM1404UTP-E						319 × 840 × 840			59 / 59	**1.320,–**	
RBC-U31PGP(W)-E	**12,00**	**12,80**	A / A⁺	5,36	4,19	30 × 950 × 950	0,60 - 4,71	0,60 - 4,50	–	**270,–**	**3.855,–**
RAV-SM1404ATP-E	(3,00 - 13,20)	(3,00 - 16,00)				890 × 900 × 320			70 / 71	**2.170,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM1604UTP-E						319 × 840 × 840			60 / 60	**1.490,–**	
RBC-U31PGP(W)-E	**14,00**	**16,00**	B / B	–	–	30 × 950 × 950	0,65 - 5,70	0,65 - 6,51	–	**270,–**	**4.705,–**
RAV-SM1603AT-E	(3,00 - 16,00)	(3,00 - 18,00)				1340 × 900 × 320			68 / 70	**2.850,–**	
RBC-AMT32E						–			–	**95,–**	

● Cooling ● Heating

RBC-U31PGP(W)-E	Panel for wide airflow	**270,–**
RBC-U31PGSP(W)-E	Panel for direct airflow	**290,–**

Panel RBC-U31PGP(W)-E
The special fin shape ensures a perfect air distribution within a radius of 360°. This is a TOSHIBA exclusive preference!



Panel RBC-U31PGSP(W)-E
The design of the louvers ensures that the air currents are blown out in a straight line.

Super Digital Inverter 4-way-Cassette

- Excellent efficiency
- Beautiful design with two ceiling panels to choose from (wider or direct airflow)
- Deodorising Ag+ ion capsule
- Fresh air intake possible with external fan to 20% of the nominal amount of air in the indoor unit
- Drain pump with 850 mm lifting height installed (measured from the bottom edge of the unit)
- Auto restart after power failure

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
Super Digital Inverter Cassette											
RAV-SM564UTP-E						256 × 840 × 840			47 / 47	**840,–**	
RBC-U31PGP(W)-E	**5,30** (1,20 - 5,60)	**5,60** (0,90 - 8,10)	A⁺⁺ / A⁺	6,17	4,58	30 × 950 × 950	0,20 - 1,95	0,15 - 2,40	–	**270,–**	**2.655,–**
RAV-SP564ATP-E						550 × 780 × 290			63 / 64	**1.450,–**	
RBC-AMT32E						-			–	**95,–**	
RAV-SM804UTP-E						256 × 840 × 840			50 / 50	**960,–**	
RBC-U31PGP(W)-E	**7,10** (1,90 - 8,00)	**8,00** (1,30 - 11,30)	A⁺⁺ / A⁺	6,39	4,19	30 × 950 × 950	0,30 - 2,52	0,25 - 3,52	–	**270,–**	**3.265,–**
RAV-SP804ATP-E						890 × 900 × 320			64 / 65	**1.940,–**	
RBC-AMT32E						-			–	**95,–**	
RAV-SM1104UTP-E						319 × 840 × 840			58 / 58	**1.180,–**	
RBC-U31PGP(W)-E	**10,00** (2,60 - 12,00)	**11,20** (2,40 - 13,00)	A⁺⁺ / A⁺	6,60	4,28	30 × 950 × 950	0,64 - 3,60	0,52 - 4,20	–	**270,–**	**4.175,–**
RAV-SP1104AT-E						1340 × 900 × 320			66 / 67	**2.630,–**	
RBC-AMT32E						-			–	**95,–**	
RAV-SM1104UTP-E						319 × 840 × 840			58 / 58	**1.180,–**	
RBC-U31PGP(W)-E	**10,00** (2,60 - 12,00)	**11,20** (2,40 - 15,60)	A⁺⁺ / A⁺	6,57	4,28	30 × 950 × 950	0,66 - 3,60	0,53 - 4,30	–	**270,–**	**4.595,–**
RAV-SP1104AT8-E *						1340 × 900 × 320			66 / 67	**3.050,–**	
RBC-AMT32E						-			–	**95,–**	
RAV-SM1404UTP-E						319 × 840 × 840			59 / 59	**1.320,–**	
RBC-U31PGP(W)-E	**12,50** (2,60 - 14,00)	**14,00** (2,40 - 16,50)	A / A	–	–	30 × 950 × 950	0,64 - 4,40	0,52 - 4,50	–	**270,–**	**4.625,–**
RAV-SP1404AT-E						1340 × 900 × 320			68 / 69	**2.940,–**	
RBC-AMT32E						-			–	**95,–**	
RAV-SM1404UTP-E						319 × 840 × 840			59 / 59	**1.320,–**	
RBC-U31PGP(W)-E	**12,50** (2,60 - 14,00)	**14,00** (2,40 - 18,00)	A / A	–	–	30 × 950 × 950	0,66 - 4,40	0,53 - 5,50	–	**270,–**	**4.865,–**
RAV-SP1404AT8-E *						1340 × 900 × 320			68 / 69	**3.180,–**	
RBC-AMT32E						-			–	**95,–**	
RAV-SM1604UTP-E						319 × 840 × 840			60 / 60	**1.490,–**	
RBC-U31PGP(W)-E	**14,00** (2,60 - 16,00)	**16,00** (2,40 - 19,00)	B / A	–	–	30 × 950 × 950	0,66 - 5,70	0,53 - 6,51	–	**270,–**	**5.505,–**
RAV-SP1604AT8-E *						1340 × 900 × 320			68 / 70	**3.650,–**	
RBC-AMT32E						-			–	**95,–**	

● Cooling ● Heating * 3-phase outdoor unit

RBC-U31PGP(W)-E	Panel for wide airflow	**270,–**
RBC-U31PGSP(W)-E	Panel for direct airflow	**290,–**

Digital Inverter & Super Digital Inverter Ceiling

- New attractive design with improved energy efficiency
- Expanded portfolio (6 HP)
- Low noise level
- Large air conducting strip for optimum air distribution

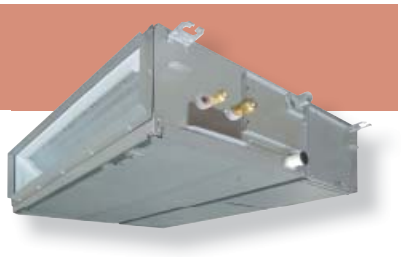
Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
Digital Inverter Ceiling											
RAV-SM567CTP-E	**5,00** (1,50 - 5,60)	**5,30** (1,50 - 6,30)	A / A+	5,41	4,21	235 × 950 × 690	0,29 - 1,95	0,29 - 2,40	52 / 52	**930,–**	**2.225,–**
RAV-SM564ATP-E						550 × 780 × 290			63 / 65	**1.200,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM807CTP-E	**6,90** (1,50 - 7,40)	**7,70** (1,50 - 9,00)	A+ / A+	5,62	4,01	235 × 1270 × 690	0,29 - 2,76	0,29 - 3,20	56 / 56	**1.050,–**	**2.685,–**
RAV-SM804ATP-E						550 × 780 × 290			65 / 69	**1.540,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM1107CTP-E	**10,00** (3,00 - 11,20)	**11,20** (3,00 - 12,50)	A+ / A+	5,79	4,27	235 × 1586 × 690	0,60 - 4,10	0,60 - 4,10	59 / 59	**1.170,–**	**3.225,–**
RAV-SM1104ATP-E						890 × 900 × 320			70 / 71	**1.960,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM1407CTP-E	**12,10** (3,00 - 13,20)	**12,80** (3,00 - 16,00)	D / A	–	–	235 × 1586 × 690	0,60 - 4,71	0,65 - 4,60	61 / 61	**1.320,–**	**3.585,–**
RAV-SM1404ATP-E						890 × 900 × 320			70 / 71	**2.170,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM1607CTP-E	**14,00** (3,00 - 16,00)	**16,00** (3,00 - 18,00)	B / A	–	–	235 × 1586 × 690	0,65 - 6,33	0,65 - 6,89	61 / 61	**1.400,–**	**4.345,–**
RAV-SM1603AT-E						1340 × 900 × 320			68 / 70	**2.850,–**	
RBC-AMT32E						–			–	**95,–**	
Super Digital Inverter Ceiling											
RAV-SM567CTP-E	**5,00** (1,20 - 5,60)	**5,60** (0,90 - 7,40)	A / A+	5,45	4,28	235 × 950 × 690	0,21 - 2,26	0,17 - 2,34	52 / 52	**930,–**	**2.475,–**
RAV-SP564ATP-E						550 × 780 × 290			63 / 64	**1.450,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM807CTP-E	**7,10** (1,90 - 8,00)	**8,00** (1,30 - 10,60)	A++/ A+	6,21	4,10	235 × 1270 × 690	0,30 - 2,88	0,27 - 3,50	56 / 56	**1.050,–**	**3.085,–**
RAV-SP804ATP-E						890 × 900 × 320			64 / 65	**1.940,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM1107CTP-E	**10,00** (2,60 - 12,00)	**11,20** (2,40 - 13,00)	A++/ A+	6,18	4,27	235 × 1586 × 690	0,64 - 3,70	0,52 - 4,00	59 / 59	**1.170,–**	**3.895,–**
RAV-SP1104AT-E						1340 × 900 × 320			66 / 67	**2.630,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM1107CTP-E	**10,00** (2,60 - 12,00)	**11,20** (2,40 - 16,50)	A++/ A+	6,35	4,41	235 × 1586 × 690	0,66 - 3,81	0,53 - 4,26	59 / 59	**1.170,–**	**4.315,–**
RAV-SP1104AT8-E *						1340 × 900 × 320			66 / 67	**3.050,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM1407CTP-E	**12,50** (2,60 - 14,00)	**14,00** (2,40 - 16,50)	B / A	–	–	235 × 1586 × 690	0,64 - 4,47	0,52 - 4,60	61 / 61	**1.320,–**	**4.355,–**
RAV-SP1404AT-E						1340 × 900 × 320			68 / 69	**2.940,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM1407CTP-E	**12,50** (2,60 - 14,00)	**14,00** (2,40 - 18,00)	A / A	–	–	235 × 1586 × 690	0,66 - 4,85	0,53 - 5,95	61 / 61	**1.320,–**	**4.595,–**
RAV-SP1404AT8-E *						1340 × 900 × 320			68 / 69	**3.180,–**	
RBC-AMT32E						–			–	**95,–**	
RAV-SM1607CTP-E	**14,00** (2,60 - 16,00)	**16,00** (2,40 - 19,00)	A / A	–	–	235 × 1586 × 690	0,66 - 6,33	0,53 - 6,96	61 / 61	**1.400,–**	**5.145,–**
RAV-SP1604AT8-E *						1340 × 900 × 320			68 / 70	**3.650,–**	
RBC-AMT32E						–			–	**95,–**	

● Cooling ● Heating * 3-phase outdoor unit

Accessories: RAV Ceiling models

Type	Description	Compatible	Prices excl. VAT (EUR)
TCB-DP31CE	Drain pump		**290,–**
TCB-KP13CE	Elbow piping kit	Size 567	**80,–**
TCB-KP23CE	Elbow piping kit	Size 807-1607	**95,–**
TCB-PCUC1E	Optional control kit		**130,–**

Digital Inverter & Super Digital Inverter Duct



- Compact dimensions for installation in suspended ceilings
- Height of only 275 mm
- External static pressure up to 120 Pa
- Drain pump with 850 mm lifting height included (measured from the bottom edge of the unit)

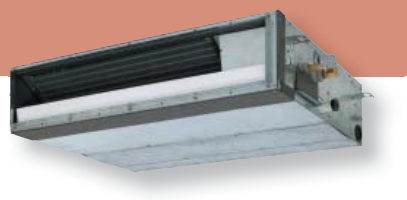
Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
Digital Inverter Duct											
RAV–SM566BT(P)–E						275 × 700 × 750			48 / 48	**940,–**	
RAV-SM564ATP-E	**5,00** (1,50 - 5,60)	**5,30** (1,50 - 6,30)	B / A	4,80	3,98	550 × 780 × 290	0,31 - 2,05	0,31 - 2,47	63 / 65	**1.200,–**	**2.235,–**
RBC-AMT32E						–			–	**95,–**	
RAV-SM806BT(P)-E						275 × 1000 × 750			49 / 49	**1.070,–**	
RAV-SM804ATP-E	**6,70** (1,50 - 7,40)	**7,70** (1,50 - 9,00)	B / A	5,04	3,83	550 × 780 × 290	0,31 - 2,76	0,31 - 3,18	65 / 69	**1.540,–**	**2.705,–**
RBC-AMT32E						–			–	**95,–**	
RAV-SM1106BT(P)-E						275 × 1400 × 750			55 / 55	**1.320,–**	
RAV-SM1104ATP-E	**10,00** (3,00 - 11,20)	**11,20** (3,00 - 12,50)	B / A+	5,03	4,14	890 × 900 × 320	0,60 - 4,50	0,60 - 4,00	70 / 71	**1.960,–**	**3.375,–**
RBC-AMT32E						–			–	**95,–**	
RAV-SM1406BT(P)-E						275 × 1400 × 750			55 / 55	**1.370,–**	
RAV-SM1404ATP-E	**12,10** (3,00 - 13,20)	**12,80** (3,00 - 16,00)	D / B	–	–	890 × 900 × 320	0,60 - 4,71	0,60 - 4,55	70 / 71	**2.170,–**	**3.635,–**
RBC-AMT32E						-			–	**95,–**	
RAV-SM1606BT(P)-E						275 × 1400 × 750			55 / 55	**1.480,–**	
RAV-SM1603AT-E	**14,00** (3,00 - 16,00)	**16,00** (3,00 - 18,00)	D / C	–	–	1340 × 900 × 320	0,65 - 6,50	0,65 - 6,89	68 / 70	**2.850,–**	**4.425,–**
RBC-AMT32E						–			–	**95,–**	
Super Digital Inverter Duct											
RAV-SM566BT(P)-E						275 × 700 × 750			48 / 48	**940,–**	
RAV-SP564ATP-E	**5,00** (1,20 - 5,60)	**5,60** (0,90 - 7,40)	B / A+	4,88	4,01	550 × 780 × 290	0,21 - 2,05	0,17 - 2,51	63 / 64	**1.450,–**	**2.485,–**
RBC-AMT32E						–			–	**95,–**	
RAV-SM806BT(P)-E						275 × 1000 × 750			49 / 49	**1.070,–**	
RAV-SP804ATP-E	**7,10** (1,90 - 8,00)	**8,00** (1,30 - 10,60)	A+ / A+	5,88	4,00	890 × 900 × 320	0,30 - 2,88	0,27 - 3,50	64 / 65	**1.940,–**	**3.105,–**
RBC-AMT32E						–			–	**95,–**	
RAV-SM1106BT(P)-E						275 × 1400 × 750			55 / 55	**1.320,–**	
RAV-SP1104AT-E	**10,00** (2,60 - 12,00)	**11,20** (2,40 - 13,00)	A+ / A	5,65	3,87	1340 × 900 × 320	0,64 - 3,80	0,52 - 4,00	66 / 67	**2.630,–**	**4.045,–**
RBC-AMT32E						–			–	**95,–**	
RAV-SM1106BT(P)-E						275 × 1400 × 750			55 / 55	**1.320,–**	
RAV-SP1104AT8-E *	**10,00** (2,60 - 12,00)	**11,20** (2,40 - 15,60)	A+ / A	5,65	3,87	1340 × 900 × 320	0,66 - 4,01	0,53 - 4,42	66 / 67	**3.050,–**	**4.465,–**
RBC-AMT32E						–			–	**95,–**	
RAV-SM1406BT(P)-E						275 × 1400 × 750			55 / 55	**1.370,–**	
RAV-SP1404AT-E	**12,50** (2,60 - 14,00)	**14,00** (2,40 - 16,50)	B / A	–	–	1340 × 900 × 320	0,64 - 4,47	0,52 - 4,50	68 / 69	**2.940,–**	**4.405,–**
RBC-AMT32E						–			–	**95,–**	
RAV-SM1406BT(P)-E						275 × 1400 × 750			55 / 55	**1.370,–**	
RAV-SP1404AT8-E *	**12,50** (2,60 - 14,00)	**14,00** (2,40 - 18,00)	B / A	–	–	1340 × 900 × 320	0,66 - 4,89	0,53 - 5,71	68 / 69	**3.180,–**	**4.645,–**
RBC-AMT32E						–			–	**95,–**	
RAV-SM1606BT(P)-E						275 × 1400 × 750			55 / 55	**1.480,–**	
RAV-SP1604AT8-E *	**14,00** (2,60 - 16,00)	**16,00** (2,40 - 19,00)	C / A	–	–	1340 × 900 × 320	0,66 - 6,50	0,53 - 6,96	68 / 70	**3.650,–**	**5.225,–**
RBC-AMT32E						–			–	**95,–**	

● Cooling ● Heating * 3-phase outdoor unit

Accessories Duct units

Type		Single price excl. VAT (EUR)
TCB-SF56C6BE	Flange for RAV-SM566BT(P)-E (2 × ⌀ 200 mm)	**115,–**
TCB-SF80C6BE	Flange for RAV-SM806BT(P)-E (3 × ⌀ 200 mm)	**140,–**
TCB-SF160C6BE	Flange for RAV-SM1106/1406/1606BT(P)-E (4 × ⌀ 200 mm)	**175,–**

Digital Inverter & Super Digital Inverter Ultra-slim Duct



- Low unit height of only 210 mm
- Suitable for installation in any suspended ceiling
- Energy-saving mode possible
- Drain pump with 850 mm lifting height installed (measured from the bottom edge of the unit)

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
Digital Inverter ultra-slim Duct											
RAV-SM564SDT-E	**5,00** (1,50 - 5,60)	**5,30** (1,50 - 6,30)	B / A+	5,06	4,06	210 × 845 × 645	0,32 - 2,75	0,32 - 2,40	60 / 60	**1.050,–**	**2.345,–**
RAV-SM564ATP-E						550 × 780 × 290			63 / 65	**1.200,–**	
RBC-AMT32E						–			–	**95,–**	
Super Digital Inverter ultra-slim Duct											
RAV-SM564SDT-E	**5,00** (1,20 - 5,60)	**5,60** (0,90 - 7,40)	A / A	5,10	3,83	210 × 845 × 645	0,21 - 2,29	0,17 - 2,37	60 / 60	**1.050,–**	**2.595,–**
RAV-SP564ATP-E						550 × 780 × 290			63 / 64	**1.450,–**	
RBC-AMT32E						–			–	**95,–**	

Digital Inverter BIG High-pressure Duct

- High-pressure model for single-application
- Combination with Digital Inverter BIG
- External static pressure up to 196 Pa

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
High-pressure Duct - combination only with Digital Inverter BIG											
RAV-SM2242DT-E	**20,00** (9,80 - 22,40)	**22,40** (9,80 - 25,00)	D / B	–	–	470 × 1380 × 1250	3,26 - 9,09	2,57 - 7,45	74 / 74	**4.190,–**	**8.675,–**
RAV-SM2244AT8-E *						1540 × 900 × 320			72 / 74	**4.390,–**	
RBC-AMT32E						-			–	**95,–**	
RAV-SM2802DT-E	**23,00** (9,80 - 27,00)	**27,00** (9,80 - 31,50)	D / C	–	–	470 × 1380 × 1250	3,36 - 12,76	2,57 - 11,01	75 / 75	**4.500,–**	**9.405,–**
RAV-SM2804AT8E *						1540 × 900 × 320			74 / 75	**4.810,–**	
RBC-AMT32E						-			–	**95,–**	

● Cooling ● Heating * 3-phase outdoor unit

Valve kit for Digital Inverter, Super Digital Inverter, Digital Inverter Big

- Plug-in ready kit with PC board, transformer, terminal strips and installation manual
- Remote control RBC-AMT32E has to be ordered separately
- Combinable with ventilation systems and air curtains

Type		Single price excl. VAT (EUR)
RAV-DXC010	Cooling and heating operation, for all Super Digital and Digital Inverter as well as DI BIG	**1.050,–**

RAV SPLIT SOLUTIONS
for one temperature zone

- Affordable multi-solutions
- Twin, Triple and Double Twin Split combinations in conjunction with a wired remote control possible
- Indoor unit have to be identical for multi-solutions (same construction and capacity)

Type	Capacity (kW)		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)
	●	●		●	●		
Digital Inverter outdoor unit 1-phase							
RAV-SM1104ATP-E	10,00	11,20	890 × 900 × 320	depending on combination with indoor unit		70 / 71	**1.960,–**
RAV-SM1404ATP-E	12,10	12,80	890 × 900 × 320			70 / 71	**2.170,–**
RAV-SM1603AT-E	14,00	16,00	1340 × 900 × 320			68 / 70	**2.850,–**
Super Digital Inverter outdoor unit 1-phase							
RAV-SP1104AT-E	10,00	11,20	1340 × 900 × 320			66 / 67	**2.630,–**
RAV-SP1404AT-E	12,50	14,00	1340 × 900 × 320			68 / 69	**2.940,–**
Super Digital Inverter outdoor unit 3-phase							
RAV-SP1104AT8-E	10,00	11,20	1340 × 900 × 320			66 / 67	**3.050,–**
RAV-SP1404AT8-E	12,50	14,00	1340 × 900 × 320			68 / 69	**3.180,–**
RAV-SP1604AT8-E	14,00	16,00	1340 × 900 × 320			68 / 70	**3.650,–**
DI – Big outdoor unit							
RAV-SM2244AT8-E	20,00	22,40	1540 × 900 × 320	3,26 - 9,09	2,57 - 7,45	72 / 74	**4.390,–**
RAV-SM2804AT8-E	23,00	27,00	1540 × 900 × 320	3,36 - 12,76	2,57 - 11,01	74 / 75	**4.810,–**

Table of combinations – Digital Inverter BIG

System (kW)		Indoor unit (kW) **		
●	●	Twin	Triple	Double-Twin
20,00 kW	22,40 kW	11,20 + 11,20 kW	8,00 + 8,00 + 8,00 kW	5,60 + 5,60 + 5,60 + 5,60 kW
23,00 kW	27,00 kW	14,00 + 14,00 kW	8,00 + 8,00 + 8,00 kW	8,0 0+ 8,00 + 8,00 + 8,00 kW

Table of combinations – Digital Inverter, Super Digital Inverter

System		Indoor unit (kW) **	
●	●	Twin	Triple
10,00 kW	11,20 kW	5,60 + 5,60 kW	–
12,50 kW	14,00 kW	8,00 + 8,00 kW	–
14,00 kW	16,00 kW	8,00 + 8,00 kW	5,60 + 5,60 + 5,60 kW

● Cooling ● Heating ** Indoor unit types have to be identical

Joints
for multi installations

Type			Single price excl. VAT (EUR)
Digital Inverter BIG			
RBC-TWP101E	Twin Kit	22,40 and 27,00 kW	**195,–**
RBC-TRP100E	Triple Kit	22,40 and 27,00 kW	**270,–**
RBC-DTWP101E	Double Twin Kit	22,40 and 27,00 kW	**280,–**
Digital Inverter / Super Digital Inverter			
RBC-TWP30E2	Twin Kit	11,20 kW	**90,–**
RBC-TWP50E2	Twin Kit	14,00 kW	**95.–**
RBC-TRP100E	Triple Kit	16,00 kW	**270,–**

DIGITAL INVERTER
Air Curtain

- Three standard versions, each in two versions with different pressure
- Customized solutions on request
- Compatible with Digital Inverter and Super Digital Inverter
- Rapid installation
- Uncomplicated access for maintenance

Type	Capacity (kW)		Dimensions (H × B × D) (mm)	Air flow (m^3/h)	Room height in m	Sound pressure (dB(A))	Single price
	Code (HP)	Heating capacity (kW)					excl. VAT (EUR)
Free-hanging unit							
RAV-CT100CH-M	3	8,00	260 × 1210 × 490	1520	3,00	54	**5.850,–**
RAV-CT100CH-L	3	8,00	260 × 1210 × 490	2100	3,20	55	**6.000,–**
RAV-CT150CH-M	4	11,20	260 × 1710 × 490	2280	3,00	55	**6.850,–**
RAV-CT150CH-L	4	11,20	260 × 1710 × 490	2800	3,20	56	**6.990,–**
RAV-CT200CH-M	5	14,00	260 × 2210 × 490	3040	3,00	56	**7.700,–**
RAV-CT200CH-L	5	14,00	260 × 2210 × 490	4200	3,20	57	**8.400,–**
RAV-CT250CH-M	6	16,00	260 × 2710 × 490	3800	3,00	57	**8.700,–**
RAV-CT250CH-L	6	16,00	260 × 2710 × 490	4900	3,20	58	**9.150,–**
Cassette							
RAV-CT100UH-M	3	8,00	260 × 1050 × 780	1520	3,00	54	**6.150,–**
RAV-CT100UH-L	3	8,00	260 × 1050 × 780	2100	3,20	55	**6.420,–**
RAV-CT150UH-M	4	11,20	260 × 1550 × 780	2280	3,00	55	**6.900,–**
RAV-CT150UH-L	4	11,20	260 × 1550 × 780	2800	3,20	56	**7.200,–**
RAV-CT200UH-M	5	14,00	260 × 2050 × 780	3040	3,00	56	**7.800,–**
RAV-CT200UH-L	5	14,00	260 × 2050 × 780	4200	3,20	57	**8.450,–**
RAV-CT250UH-M	6	16,00	260 × 2550 × 780	3800	3,00	57	**9.280,–**
RAV-CT250UH-L	6	16,00	260 × 2550 × 780	4900	3,20	58	**9.900,–**
Built-in unit							
RAV-CT100BH-M	3	8,00	405 - 485 × 1105 × 720	1520	3,00	54	**6.450,–**
RAV-CT100BH-L	3	8,00	405 - 485 × 1105 × 720	2100	3,20	55	**6.650,–**
RAV-CT150BH-M	4	11,20	405 - 485 × 1605 × 720	2280	3,00	55	**7.650,–**
RAV-CT150BH-L	4	11,20	405 - 485 × 1605 × 720	2800	3,20	56	**7.800,–**
RAV-CT200BH-M	5	14,00	405 - 485 × 2105 × 720	3040	3,00	56	**8.650,–**
RAV-CT200BH-L	5	14,00	405 - 485 × 2105 × 720	4200	3,20	57	**9.300,–**
RAV-CT250BH-M	6	16,00	405 - 485 × 2605 × 720	3800	3,00	57	**9.730,–**
RAV-CT250BH-L	6	16,00	405 - 485 × 2605 × 720	4900	3,20	58	**10.100,–**

Compatible outdoor units to the air curtains

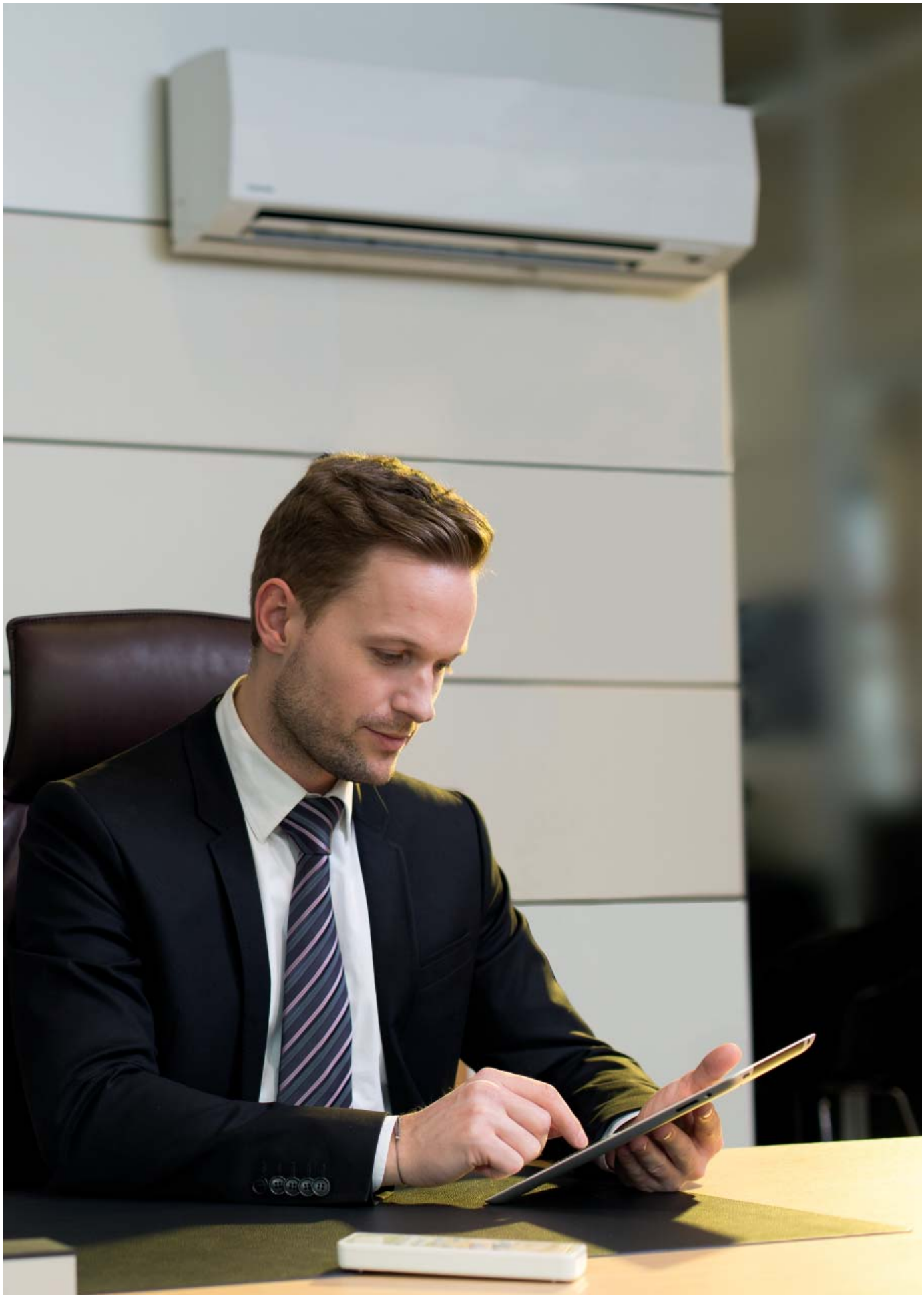
Type	Capacity (kW) ●	Dimensions (H × B × D) (mm)	Power consumption (kW) ●	Power consumption (kW) ●	Sound power level (dB(A)) ● / ●	Single price excl. VAT (EUR)
RAV-SM804ATP-E	7,70	550 × 780 × 290	0,31-2,76	0,31 - 3,18	65 / 69	**1.540,–**
RAV-SM1104ATP-E	11,20	890 × 900 × 320	0,60-4,50	0,60 - 4,00	70 / 71	**1.960,–**
RAV-SM1404ATP-E	12,80	890 × 900 × 320	0,60-4,71	0,60 - 4,55	70 / 71	**2.170,–**
RAV-SM1603AT-E	16,00	1340 × 900 × 320	0,65-6,50	0,65 - 6,89	68 / 70	**2.850,–**
RAV-SP804ATP-E	8,00	890 × 900 × 320	0,30-2,88	0,27 - 3,50	64 / 65	**1.940,–**
RAV-SP1104AT-E	11,20	1340 × 900 × 320	0,64-3,80	0,52 - 4,00	66 / 67	**2.630,–**
RAV-SP1104AT8-E*	11,20	1340 × 900 × 320	0,66-4,01	0,53 - 4,42	66 / 67	**3.050,–**
RAV-SP1404AT-E	14,00	1340 × 900 × 320	0,64-4,47	0,52 - 4,50	68 / 69	**2.940,–**
RAV-SP1404AT8-E*	14,00	1340 × 900 × 320	0,66-4,89	0,53 - 5,71	68 / 69	**3.180,–**
RAV-SP1604AT8-E*	16,00	1340 × 900 × 320	0,66-6,50	0,53 - 6,96	68 / 70	**3.650,–**

● Heating

* 3-phase outdoor unit

Example of calculation:
Built-in model with 8 kW in combination with a Digital Inverter outdoor unit

Type	Capacity (kW)		Dimensions (H × B × D) (mm)	Air flow (m^3/h)	Sound pressure (dB(A))	Single price	Set price
	Code (HP)	Heating capacity (kW)				excl. VAT (EUR)	
Built-in unit							
RAV-CT100BH-M	3	8,00	405 - 485 × 1105 × 720	1520	54	**6.450,–**	**8.085,–**
RAV-SM804ATP-E			550 × 780 × 290	–	48 / 52	**1.540,–**	
RBC-AMT32E			–	–	–	**95,–**	



VRF SYSTEMS

MiNi-Super Multi System (MiNi S-MMS)

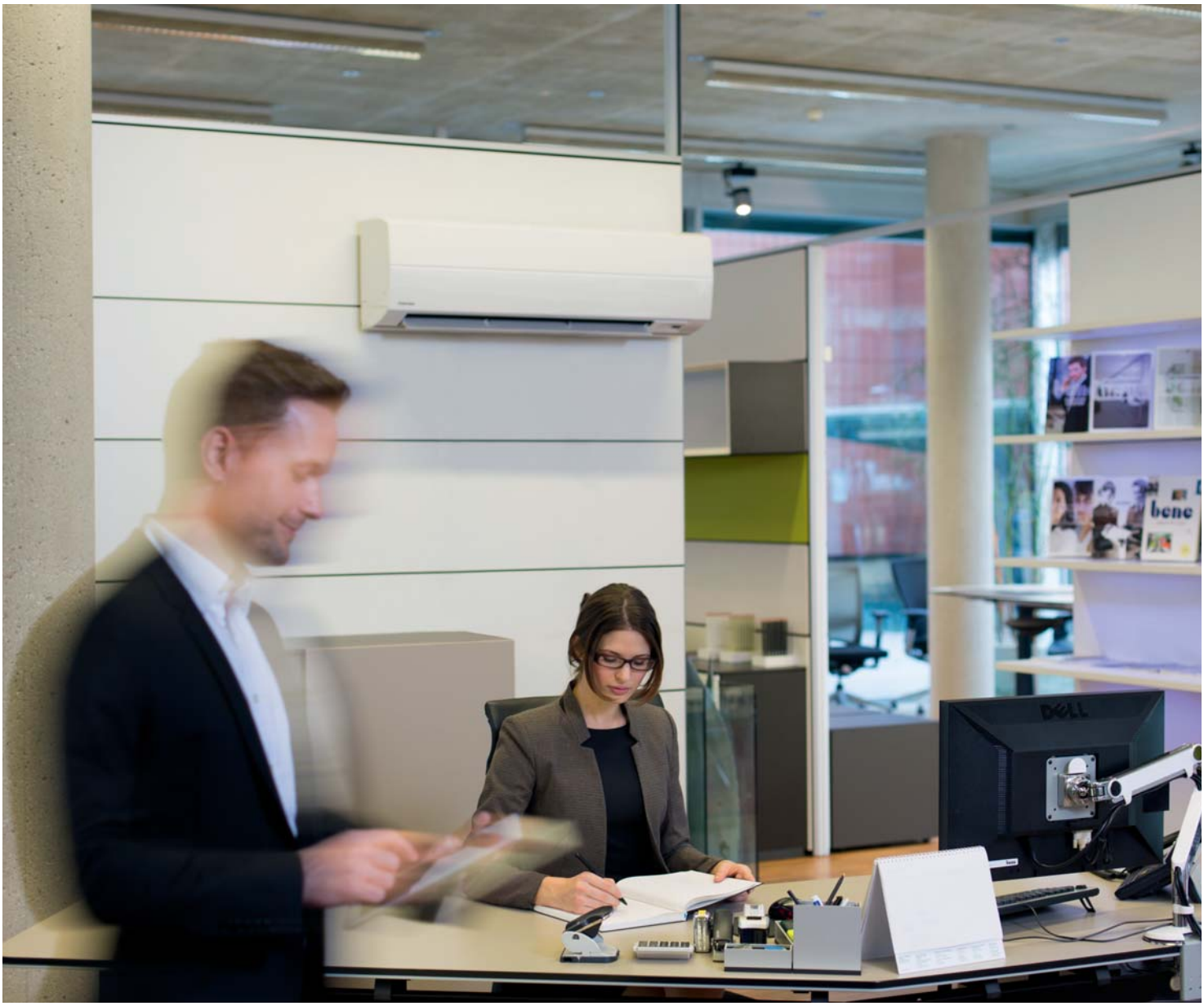
- 2-pipe heat pump system with very high efficiency up to 4,29
- 3 compact outdoor units available in the performances from 12,1 to 15,5 kW
- Depending on the capacity of the outdoor units 6, 8 or 9 indoor units can be connected

Super Heat Recovery System *i* (S-HRMi)

- 3-pipe system which enables simultaneous and independent cooling and heating
- Very high energy efficiency (EER up to 3,7 / COP up to 4,0) by heat recovery
- Capacity range: 8 to 42 HP

Super Modular Multi System *i* (S-MMSi)

- 2-pipe system in heat pump version
- Capacity range: 22,4 kW (8 HP) up to 135 kW (48 HP); outdoor units with 8, 10, 12, 14 and 16 HP
- Up to 48 indoor units can be connected



Indoor unit range

Model type	HP	0,6	0,8	1,0	1,3	1,7	2,0	2,5	3,0	3,2	4,0	5,0	6,0	8,0	10,0
	kW	1,7	2,2	2,8	3,6	4,5	5,6	7,1	8,0	9,0	11,2	14,0	16,0	22,4	28
HI-WALL															
Series 4 MMK-AP(...)4MH-E			●	●	●										
Series 3 MMK-AP(...)3H			●	●	●	●	●	●							
CEILING MMC-AP(…)HP-E						●	●	●	●		●	●	●		
CASSETTE															
60×60 4-way-cassette MMU-AP(...)MH-E		●	●	●	●	●	●								
4-way cassette MMU-AP(...)HP-E				●	●	●	●	●	●	●	●	●	●		
2-way cassette MMU-AP(...)WH			●	●	●	●	●	●	●	●	●	●	●		
1-way cassette MMU-AP(...)YH/SH-E			●	●	●	●	●	●							
DUCT															
Slim Duct MMD-AP(...)SPH-E		●	●	●	●	●	●	●	●						
Standard Duct MMD-AP(...)BH(P)-E			●	●	●	●	●	●	●	●	●	●	●		
High Static Pressure Duct MMD-AP(...)H-E							●	●	●		●	●		●	●
Duct with fresh air intake MMD-AP(...)HFE												●		●	●
CHASSIS															
Chassis MML-AP(...)BH-E			●	●	●	●	●	●							
Floor MMF-AP(...)H-E						●	●	●	●		●	●	●		
Console MML-AP(...)NH-E			●	●	●	●	●								

Super Modular Multi System i (S-MMSi) Outdoor units

- Excellent efficiencies at partial load
- 2-pipe System
- Highest reliability
- Low noise level
- Flexible scheduling options

Type	Capacity (kW) ●	Capacity (kW) ●	Dimensions (H × B × D) (mm)	Weight (kg)	Sound pressure (dB(A)) ● / ●	Single price excl. VAT (EUR)
Outdoor units „Heat pump“						
MMY-MAP0804HT8P-E	22,40	25,00	1830 × 990 × 780	242	55 / 56	**8.620,–**
MMY-MAP1004HT8P-E	28,00	31,50	1830 × 990 × 780	242	57 / 58	**8.990,–**
MMY-MAP1204HT8P-E	33,50	37,50	1830 × 990 × 780	242	59 / 62	**9.960,–**
MMY-MAP1404HT8P-E	40,00	45,00	1830 × 1210 × 780	329	60 / 62	**12.100,–**
MMY-MAP1604HT8P-E	45,00	50,00	1830 × 1210 × 780	329	62 / 64	**12.990,–**

● Cooling ● Heating

SMMSi Outdoor units series

Model name	Capacity (kW) ●	Capacity (kW) ●	Quantity of outdoor units	Max. number of indoor units		Price excl. VAT (EUR)
MMY-MAP0804HT8P-E	22,40	25,00	1	13		8.620,–
MMY-MAP1004HT8P-E	28,00	31,50	1	16		8.990,–
MMY-MAP1204HT8P-E	33,50	37,50	1	20		9.960,–
MMY-MAP1404HT8P-E	40,00	45,00	1	23		12.100,–
MMY-MAP1604HT8P-E	45,00	50,00	1	27		12.990,–
MMY-AP1814HT8P-E	50,40	56,50	2	30		17.610,–
MMY-AP2014HT8P-E	56,00	63,00	2	33		17.980,–
MMY-AP2214HT8P-E	61,50	69,00	2	37		18.950,–
MMY-AP2414HT8P-E	68,00	76,50	2	40		19.920,–
MMY-AP2614HT8P-E	73,00	81,50	2	43		21.980,–
MMY-AP2814HT8P-E	78,50	88,00	2	47		22.950,–
MMY-AP3014HT8P-E	85,00	95,00	2	48		25.090,–
MMY-AP3214HT8P-E	90,00	100,00	2	48		25.980,–
MMY-AP3414HT8P-E	96,00	108,00	3	48		28.910,–
MMY-AP3614HT8P-E	101,00	113,00	3	48		29.880,–
MMY-AP3814HT8P-E	106,50	119,50	3	48		31.940,–
MMY-AP4014HT8P-E	112,00	127,00	3	48		32.910,–
MMY-AP4214HT8P-E	118,00	132,00	3	48		35.050,–
MMY-AP4414HT8P-E	123,50	138,00	3	48		35.940,–
MMY-AP4614HT8P-E	130,00	145,00	3	48		38.080,–
MMY-AP4814HT8P-E	135,00	150,00	3	48		38.970,–
High efficient models						
MMY-AP1624HT8P-E	45,00	50,00	2	27		17.240,–
MMY-AP2424HT8P-E	68,00	76,50	3	40		25.860,–
MMY-AP2624HT8P-E	73,00	81,50	3	43		26.230,–
MMY-AP2824HT8P-E	78,50	88,00	3	47		26.600,–
MMY-AP3024HT8P-E	85,00	95,00	3	48		26.970,–
MMY-AP3224HT8P-E	90,00	100,00	4	48		34.480,–
MMY-AP3424HT8P-E	96,00	108,00	4	48		34.850,–
MMY-AP3624HT8P-E	101,00	113,00	4	48		35.220,–
MMY-AP3824HT8P-E	106,50	119,50	4	48		35.590,–
MMY-AP4024HT8P-E	112,00	127,00	4	48		35.960,–
MMY-AP4224HT8P-E	118,00	132,00	4	48		36.930,–
MMY-AP4424HT8P-E	123,50	138,00	4	48		37.900,–
MMY-AP4624HT8P-E	130,00	145,00	4	48		38.870,–
MMY-AP4824HT8P-E	135,00	150,00	4	48		39.840,–

● Cooling ● Heating

MiNi S-MMS

- Compact inverter operated outdoor units
- Low noise level
- 230 V power supply
- Diversity 80 – 130 %
- PMV-kit optional for bedrooms

Type	Capacity (kW)			Dimensions (H × B × D) (mm)	Weight (kg)	Sound pressure [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
Outdoor units MiNi S-MMS							
MCY-MAP0401HT [1]	12,10	12,50	4	1340 × 900 × 320	117	67	**4.100,–**
MCY-MAP0501HT [2]	14,00	16,00	5	1340 × 900 × 320	117	69	**4.200,–**
MCY-MAP0601HT [3]	15,50	18,00	6	1340 × 900 × 320	117	70	**4.600,–**

[1] max. 6 indoor units [2] max. 8 indoor units [3] max. 9 indoor units

ACCESSORIES optional: PMV-KIT

Type		Single price excl. VAT (EUR)
RBM-PMV0362E	Optional valve kit for extra quiet operation, indoor unit types 007, 009, 012	**270,–**
RBM-PMV0902E	Optional valve kit for extra quiet operation, indoor unit types 015, 018, 024	**300,–**

Super-Heat Recovery Multi System i (S-HRMi) Outdoor units

SALES

S-HRMi outdoor units series 2 now also in sales.

More on page 62

- 3-pipe heat recovery system
- Simultaneous heating and cooling
- Indoor units and control systems for S-HRMi are identical with those of S-MMSi systems

Type	Capacity (kW)			Dimensions (H × B × D) (mm)	Weight (kg)	Sound pressure [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
Outdoor units S-HRMi							
MMY-MAP0804FT8-E	22,40	25,00	8	1830 × 990 × 780	259	55/57	**10.800,–**
MMY-MAP1004FT8-E	28,00	31,50	10	1830 × 990 × 780	259	57/59	**12.150,–**
MMY-MAP1204FT8-E	33,50	37,50	12	1830 × 1210 × 780	334	60/62	**16.450,–**
MMY-MAP1404FT8-E	40,00	45,00	14	1830 × 1210 × 780	334	62/64	**17.550,–**

● Cooling ● Heating

S-HRMi Outdoor units series

Model name	Capacity (kW) ●	Capacity (kW) ●	Quantity of outdoor units	Max. number of indoor units		Price excl. VAT (EUR)
MMY-AP1614FT8-E	45,00	50,00	2	27		**21.600,–**
MMY-AP1814FT8-E	50,40	56,50	2	30		**22.950,–**
MMY-AP2014FT8-E	56,00	63,00	2	33		**24.300,–**
MMY-AP2214FT8-E	61,50	69,00	2	37		**28.600,–**
MMY-AP2414FT8-E	68,00	76,50	2	40		**29.700,–**
MMY-AP2614FT8-E	73,00	81,50	2	43		**34.000,–**
MMY-AP2814FT8-E	78,50	88,00	2	47		**35.100,–**
MMY-AP3014FT8-E	85,00	95,00	3	48		**36.450,–**
MMY-AP3214FT8-E	90,00	100,00	3	48		**40.750,–**
MMY-AP3414FT8-E	96,00	108,00	3	48		**41.850,–**
MMY-AP3614FT8-E	101,00	113,00	3	48		**46.150,–**
MMY-AP3814FT8-E	106,50	119,50	3	48		**47.250,–**
MMY-AP4014FT8-E	112,00	127,00	3	48		**51.550,–**
MMY-AP4214FT8-E	118,00	132,00	3	48		**52.650,–**

S-HRMi flow selectors

Type	Connectable indoor unit types	Dimensions (H × B × D) (mm)	Weight (kg)	Single price excl. VAT (EUR)
RBM-Y1123FE	007 bis 030	190 × 250 × 160	5	**750,–**
RBM-Y1803FE	036 bis 056	190 × 250 × 160	5	**800,–**
RBM-Y2802(3)FE	072 bis 096	200 × 377 × 200	8	**1.400,–**
RBC-CBK15FE Connection cable, 15 m (not in stock)				**200,–**

● Cooling ● Heating

VRF Hi-wall – Series 3

- Simple, elegant design with a flat panel
- Same dimensions for all types
- Infrared remote control included

Type	Capacity (kW)* ●	Capacity (kW)* ●	Code (HP)	Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
Hi-wall							
MMK-AP0073H	2,20	2,50	0,8	320 × 1050 × 228	570	35 / 28	**780,–**
MMK-AP0093H	2,80	3,20	1	320 × 1050 × 228	600	37 / 28	**790,–**
MMK-AP0123H	3,60	4,00	1,25	320 × 1050 × 228	600	37 / 28	**800,–**
MMK-AP0153H	4,50	5,00	1,7	320 × 1050 × 228	840	41 / 33	**895,–**
MMK-AP0183H	5,60	6,30	2,0	320 × 1050 × 228	840	41 / 33	**920,–**
MMK-AP0243H	7,10	8,00	2,5	320 × 1050 × 228	1020	46 / 34	**930,–**

● Cooling ● Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

VRF Hi-wall – Series 4

- Modern design
- Very compact dimensions
- Infrared remote control with a 24-hours timer included (WH-H2UE)

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
Hi-wall							
MMK-AP0074MH-E	2,20	2,50	0,8	275 × 790 × 208	480	35 / 29	**780,–**
MMK-AP0094MH-E	2,80	3,20	1	275 × 790 × 208	510	36 / 29	**790,–**
MMK-AP0124MH-E	3,60	4,00	1,25	275 × 790 × 208	540	37 / 29	**800,–**

VRF Ceiling

SALES

Ceiling units of series 4 - now in sale!

More on page 61

- New, elegant design with large air conducting strip for optimum air distribution in the room
- Higher efficiency through the use of a new heat exchanger
- More air volume with simultaneous noise reduction
- Easy installation

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
Ceiling							
MMC-AP0157HP-E	4,50	5,00	1,7	235 × 950 × 690	840	36 / 28	**1.290,–**
MMC-AP0187HP-E	5,60	6,30	2	235 × 950 ×690	960	37 / 28	**1.360,–**
MMC-AP0247HP-E	7,10	8,00	2,5	235 × 1270 × 690	1.440	41 / 29	**1.430,–**
MMC-AP0277HP-E	8,00	9,00	3	235 × 1270 × 690	1.440	41 / 29	**1.540,–**
MMC-AP0367HP-E	11,20	12,50	4	235 × 1586 × 690	1.860	44 / 32	**1.690,–**
MMC-AP0487HP-E	14,00	16,00	5	235 × 1586 × 690	1.860	44 / 35	**1.890,–**
MMC-AP0567HP-E	16,00	18,00	6	235 × 1586 × 690	2.040	46 / 36	**1.990,–**

TCB-DP31CE Drain pump	Lift 600 mm, measured from the bottom edge of the unit	**290,–**
TCB-KP13CE Elbow piping kit	MMC-AP0157/0187HP-E	**80,–**
TCB-KP23CE Elbow piping kit	MMC-AP0247 bis 0567HP-E	**95,–**
TCB-PCUC1E Control kit		**130,–**

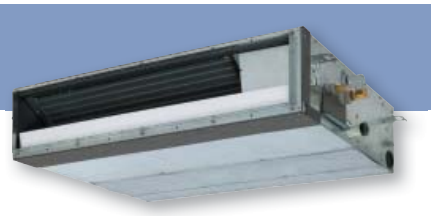
● Cooling ● Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

Accessories

Type		Single price excl. VAT (EUR)
TCB-FF101URE2	Spigot for fresh air intake ⌀ 100 mm	**55,–**

VRF Slim Duct



- Height of only 210 mm
- Drain pump with 850 mm lifting height included (measured from bottom edge of unit)
- Air supply from below or behind possible, filter for rear air supply including

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure (dB(A))**		Single price excl. VAT (EUR)
	●	●	Code (HP)			lower air intake	upper air intake	
Slim Duct								
MMD-AP0054SPH-E	1,70	1,90	0,60		490	35 / 30	27 / 24	**1.260,–**
MMD-AP0074SPH-E	2,20	2,50	0,8	210 × 845 × 645	540	36 / 30	28 / 24	**1.300,–**
MMD-AP0094SPH-E	2,80	3,20	1	210 × 845 × 645	540	36 / 30	28 / 24	**1.330,–**
MMD-AP0124SPH-E	3,60	4,00	1,25	210 × 845 × 645	600	38 / 32	29 / 25	**1.400,–**
MMD-AP0154SPH-E	4,50	5,00	1,7	210 × 845 × 645	690	39 / 33	32 / 28	**1.460,–**
MMD-AP0184SPH-E	5,60	6,30	2	210 × 845 × 645	780	40 / 36	33 / 29	**1.530,–**
MMD-AP0244SPH-E	7,10	8,00	2,5	210 × 1140 × 645	1080	49 / 44	38 / 33	**1.650,–**
MMD-AP0274SPH-E	8,00	9,00	3	210 × 1140 × 645	1080	49 / 44	38 / 33	**1.780,–**

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

Accessories

Type		Single price excl. VAT (EUR)
TCB-FF101URE2	Spigot for fresh air intake ⌀ 100 mm	**55,–**

VRF Standard Duct

- Air output of „back“ to „down“ convertible
- Connection for fresh air intake possible, filters for a rear air supply included
- Drain pump with 850 mm lifting height included (measured from bottom edge of unit)

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
Standard Duct							
MMD-AP0076BH-E* **	2,20	2,50	0,8	275 × 700 × 750	540	29 / 23	**1.380,–**
MMD-AP0096BH-E	2,80	3,20	1	275 × 700 × 750	570	30 / 23	**1.410,–**
MMD-AP0126BH-E	3,60	4,00	1,25	275 × 700 × 750	570	30 / 23	**1.430,–**
MMD-AP0156BH-E	4,50	5,00	1,7	275 × 700 × 750	800	33 / 25	**1.470,–**
MMD-AP0186BH-E	5,60	6,30	2	275 × 700 × 750	800	33 /25	**1.520,–**
MMD-AP0246BH-E	7,10	8,00	2,5	275 × 1000 × 750	1200	36 /27	**1.680,–**
MMD-AP0276BH-E	8,00	9,00	3	275 × 1000 × 750	1200	36 / 27	**1.760,–**
MMD-AP0306BH-E	9,00	10,00	3,2	275 × 1000 × 750	1260	36 / 27	**1.900,–**
MMD-AP0366BH-E	11,20	12,50	4	275 × 1400 × 750	1920	40 / 33	**2.070,–**
MMD-AP0486BH-E	14,00	16,00	5	275 × 1400 × 750	2100	40 / 33	**2.240,–**
MMD-AP0566BH-E	16,00	18,00	6	275 × 1400 × 750	2100	40 / 33	**2.440,–**

● Cooling ● Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed *** not in stock

Accessories

Type	Compatible	Single price excl. VAT (EUR)
TCB-SF56C6BE	Flange MMD-AP0076/0096/0126/0156/0186BH-E (2 × ⌀ 200 mm)	**115,–**
TCB-SF80C6BE	Flange MMD-AP0246/0276/0306BH-E (3 × ⌀ 200 mm)	**140,–**
TCB-SF160C6BE	Flange MMD-AP0366/0486/0566BH-E (4 × ⌀ 200 mm)	**175,–**
TCB-FF101URE2	Spigot for fresh air intake ⌀ 100 mm	**55,–**

VRF High Static Pressure Duct

- External static pressure up to 196 Pa, adjustable in three stages
- Inspection hole for easier maintenance
- Perfect air distribution over multiple air outlets possible

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
High Static Pressure Duct							
MMD-AP0184H-E	5,60	6,30	2	380 × 850 × 660	900	37	**1.920,–**
MMD-AP0244H-E	7,10	8,00	2,5	380 × 850 × 660	1320	40	**2.100,–**
MMD-AP0274H-E	8,00	9,00	3	380 × 850 × 660	1320	40	**2.190,–**
MMD-AP0364H-E	11,20	12,50	4	380 × 850 × 660	1600	40	**2.290,–**
MMD-AP0484H-E	14,00	16,00	5	380 × 1200 × 660	2100	40	**2.400,–**
MMD-AP0724H-E	22,40	25,00	8	470 × 1380 × 1250	3600	49	**4.890,–**
MMD-AP0964H-E	28,00	31,50	10	470 × 1380 × 1250	4200	50	**5.100,–**

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference

Accessories

Type		Single price excl. VAT (EUR)
TCB-DP31DE	Drain pump for size 184-484	**1.200,–**
TCB-DP32DE	Drain pump for size 724-964	**1.200,–**

VRF Duct with fresh air intake

- Perfect solution for an increased need for fresh air
- Preheating and precooling
- Unit can only be used in combination with other VRF master indoor units!

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
Duct with fresh air intake							
MMD-AP0481HFE	14,00	8,90	5	492 × 1392 × 1262	1080	45 / 41	**2.550,–**
MMD-AP0721HFE	22,40	13,90	8	492 × 1392 × 1262	1680	46 / 44	**5.100,–**
MMD-AP0961HFE	28,00	17,40	10	492 × 1392 × 1262	2100	46 / 44	**5.500,–**

● Cooling ● Heating

Accessories

Type		Single price excl. VAT (EUR)
TCB-DP32DFE	Drain pump	**680,–**

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference

Nominal conditions:
Cooling: Outdoor temperature 33°C DB / 28°C WB, Setpoint temperature 18°C
Heating: Outdoor temperature 0°C DB / -2,9°C WB, Setpoint temperature 25°C
Refrigerant pipe: Length 7,5 m / Height 0 m

** Specification with the highest / lowest fan speed

VRF 60×60 4-way-Cassette

- Fits into any euro-grid suspended ceiling
- Drain pump with 850 mm lifting height included (measured from bottom edge of unit)
- Height of only 27 cm

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
Compact 4-way-cassette 60 × 60							
MMU-AP0054MH-E	1,70	1,90	0,6	268 × 575 × 575	486	35 / 28	**1.250,–**
MMU-AP0074MH-E	2,20	2,50	0,8	268 × 575 × 575	552	36 / 38	**1.290,–**
MMU-AP0094MH-E	2,80	3,20	1	268 × 575 × 575	570	37 / 28	**1.390,–**
MMU-AP0124MH-E	3,60	4,00	1,25	268 × 575 × 575	594	37 / 29	**1.450,–**
MMU-AP0154MH-E	4,50	5,00	1,7	268 × 575 × 575	660	40 / 30	**1.530,–**
MMU-AP0184MH-E	5,6	6,30	2	268 × 575 × 575	762	44 / 34	**1.590,–**
Panel							
RBC-UM11PG(W)-E	–	–	–	27 × 700 × 700	–	–	**310,–**

Accessories

Type		Single price excl. VAT (EUR)
TCB-FF101URE2	Spigot for fresh air intake ⌀ 100 mm	**55,–**

VRF 4-way-Cassette – Standard

- Quadratic design (840 × 840 mm) with the choice of 2 different panels
- Drain pump with 850 mm lifting height included (measured from bottom edge of unit)
- Connection for fresh air intake with an external fan
- Individual air flow for optimal, draft-free air distribution

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
4-way-cassette							
MMU-AP0094HP-E	2,80	3,20	1	256 × 840 × 840	800	30 / 27	**1.150,–**
MMU-AP0124HP-E	3,60	4,00	1,25	256 × 840 × 840	800	30 / 37	**1.190,–**
MMU-AP0154HP-E	4,50	5,00	1,7	256 × 840 × 840	930	31 / 27	**1.240,–**
MMU-AP0184HP-E	5,60	6,30	2	256 × 840 × 840	1050	32 / 27	**1.280,–**
MMU-AP0244HP-E	7,10	8,00	2,5	256 × 840 × 840	1290	35 / 28	**1.340,–**
MMU-AP0274HP-E	8,00	9,00	3	256 × 840 × 840	1290	35 / 28	**1.410,–**
MMU-AP0304HP-E	9,00	10,00	3,2	256 × 840 × 840	1320	38 / 30	**1.490,–**
MMU-AP0364HP-E	11,20	12,50	4	319 × 840 × 840	1970	43 / 32	**1.750,–**
MMU-AP0484HP-E	14,00	16,00	5	319 × 840 × 840	2130	46 / 33	**1.920,–**
MMU-AP0564HP-E	16,00	18,00	6	319 × 840 × 840	2130	46 / 33	**2.000,–**
Panels							
RBC-U31PGP(W)-E	for wide airflow			30 × 950 × 950	–	–	**270,–**
RBC-U31PGSP(W)-E	for direct airflow			30 × 950 × 950	–	–	**290,–**

● Cooling ● Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

Accessories

Type		Single price excl. VAT (EUR)
TCB-FF101URE2	Spigot for fresh air intake ⌀ 100 mm	**55,–**

VRF 2-way-Cassette

SALES

2-way-cassette of series 1 now in sale.

More on page 62

- Small sizes available (from 2,2 kW upwards)
- Fresh air intake
- Quiet operation
- Drain pump with 510 mm lifting height included (measured from bottom edge of unit)

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
2-way-cassette							
MMU-AP0072WH	2,20	2,50	0,8	295 × 815 × 570	558	34 / 30	**1.300,–**
MMU-AP0092WH	2,80	3,20	1,0	295 × 815 × 570	558	34 / 30	**1.350,–**
MMU-AP0122WH	3,60	4,00	1,25	295 × 815 × 570	558	34 / 30	**1.380,–**
MMU-AP0152WH	4,50	5,00	1,7	295 × 815 × 570	600	35 / 30	**1.420,–**
MMU-AP0182WH	5,60	6,30	2,0	345 × 1180 × 570	900	35 / 30	**1.460,–**
MMU-AP0242WH	7,10	8,00	2,5	345 × 1180 × 570	1050	38 / 33	**1.550,–**
MMU-AP0272WH	8,00	9,00	3,0	345 × 1180 × 570	1050	38 / 33	**1.600,–**
MMU-AP0302WH	9,00	10,00	3,2	345 × 1180 × 570	1260	40 / 34	**1.730,–**
MMU-AP0362WH	11,20	12,50	4,0	345 × 1600 × 570	1740	42 / 36	**2.070,–**
MMU-AP0482WH	14,00	16,00	5,0	345 × 1600 × 570	1800	43 / 37	**2.250,–**
MMU-AP0562WH	16,00	18,00	6,0	345 × 1600 × 570	2040	46 / 39	**2.490,–**
Panels							
RBC-UW283PG(W)-E	MMU-AP0072 till 0152WH			20 × 1050 × 680	–	–	**390,–**
RBC-UW803PG(W)-E	MMU-AP0182 till 0302WH			20 × 1415 × 680	–	–	**520,–**
RBC-UW1403PG(W)-E	MMU-AP0362 till 0562WH			20 × 1835 × 680	–	–	**600,–**

● Cooling ● Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

Accessories

Type		Single price excl. VAT (EUR)
TCB-FF151US-E	Spigot for fresh air intake ⌀ 150 mm	**60,–**

VRF 1-way-Cassette

- Small sizes available (from 2,2 kW upwards)
- Fresh air intake possible with external fan
- Quiet operation
- Drain pump

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
1-way-cassette							
MMU-AP0074YH-E	2,20	2,50	0,8	235 × 850 × 400	540	42 / 34	**1.480,–**
MMU-AP0094YH-E	2,80	3,20	1	235 × 850 × 400	540	42 / 34	**1.500,–**
MMU-AP0124YH-E	3,60	4,00	1,25	235 × 850 × 400	540	42 / 34	**1.530,–**
MMU-AP0154SH-E	4,50	5,00	1,7	200 × 1000 × 710	750	37 / 32	**1.420,–**
MMU-AP0184SH-E	5,60	6,30	2	200 × 1000 × 710	780	38 / 34	**1.580,–**
MMU-AP0244SH-E	7,10	8,00	2,5	200 × 1000 × 710	1140	45 / 37	**1.680,–**
Panels							
RBC-UY136PG	MMU-AP0074/0094/0124YH-E			18 × 1050 × 470	–	–	**380,–**
RBC-US21PGE	MMU-AP0154/0184/0244SH-E			20 × 1230 × 800	–	–	**440,–**

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

Accessories

Type		Single price excl. VAT (EUR)
TCB-FF101URE2	Spigot for fresh air intake ⌀ 100 mm	**55,–**

VRF Chassis

- Perfect for offices and other commercial buildings
- Through complete shoring no influence on the interior

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
Chassis							
MML-AP0074BH-E	2,20	2,50	0,8	600 × 745 × 220	460	36 / 32	**1.430,–**
MML-AP0094BH-E	2,80	3,20	1	600 × 745 × 220	460	36 / 32	**1.450,–**
MML-AP0124BH-E	3,60	4,00	1,25	600 × 745 × 220	460	36 / 32	**1.500,–**
MML-AP0154BH-E	4,50	5,00	1,7	600 × 1045 × 220	740	36 / 32	**1.530,–**
MML-AP0184BH-E	5,60	6,30	2	600 × 1045 × 220	740	36 / 32	**1.550,–**
MML-AP0244BH-E	7,10	8,00	2,5	600 × 1045 × 220	950	42 / 33	**1.580,–**

● Cooling ● Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

VRF Console

- Bi-flow console with air outlet at the top and/or at the bottom
- Large centrifugal fan for extra quiet operation
- Infrared remote control included

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
Console							
MML-AP0074NH-E	2,20	2,50	0,8	600 × 700 × 220	510	38 / 26	**1.120,–**
MML-AP0094NH-E	2,80	3,20	1	600 × 700 × 220	510	38 / 26	**1.180,–**
MML-AP0124NH-E	3,60	4,00	1,25	600 × 700 × 220	552	40 / 29	**1.250,–**
MML-AP0154NH-E	4,50	5,00	1,7	600 × 700 × 220	624	43 / 31	**1.340,–**
MML-AP0184NH-E	5,60	6,30	2	600 × 700 × 220	726	47 / 34	**1.390,–**

VRF Floor

- Easy installation because of flexible connection variations
- Air outlet from the front or the rear

Type	Capacity (kW)*			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
Floor							
MMF-AP0154H-E	4,50	5,00	1,7	1750 × 600 × 210	900	46 / 38	**2.110,–**
MMF-AP0184H-E	5,60	6,30	2	1750 × 600 × 210	900	46 / 38	**2.140,–**
MMF-AP0244H-E	7,10	8,00	2,5	1750 × 600 × 210	1200	49 / 40	**2.230,–**
MMF-AP0274H-E	8,00	9,00	3	1750 × 600 × 210	1200	49 / 40	**2.240,–**
MMF-AP0364H-E	11,20	12,50	4	1750 × 600 × 390	1920	51 / 44	**2.400,–**
MMF-AP0484H-E	14,00	16,00	5	1750 × 600 × 390	2160	54 / 46	**2.430,–**
MMF-AP0564H-E	16,00	18,00	6	1750 × 600 × 390	2160	54 / 46	**2.450,–**

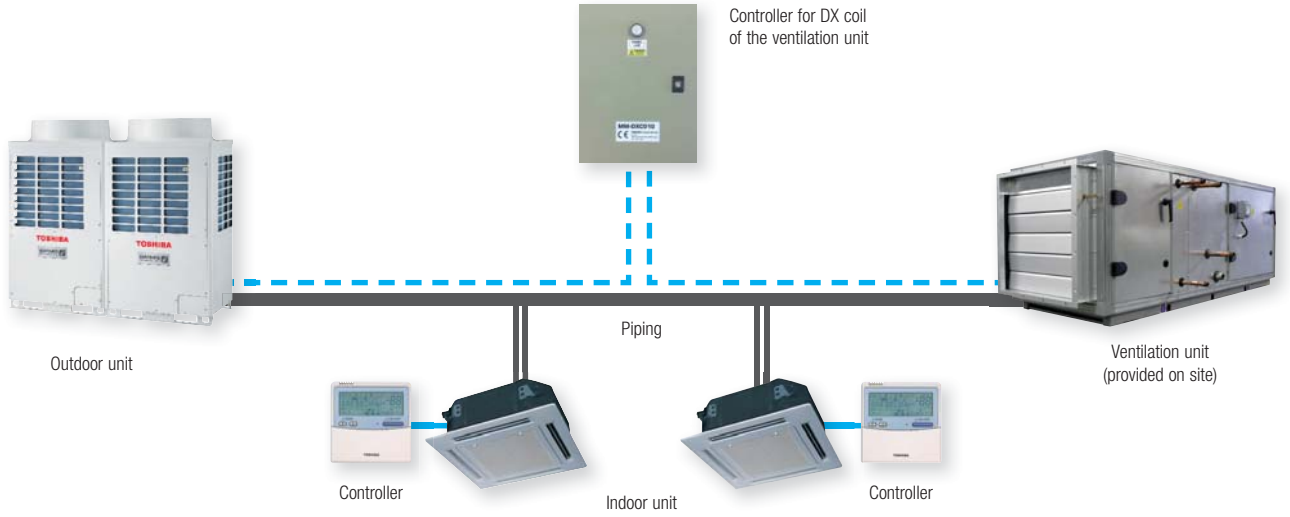
● Cooling ● Heating Not in stock - delivery time for floor units on request

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

VRF Valve kit

- Plug-in ready, wired kit consisting of electronic control box, PC board, transformer, wired remote control RBC-AMT32E, PMV motor, all necessary sensors and installation manual
- Used in conjunction with ventilation systems and air curtains

Type		Single price excl. VAT (EUR)
MM-DXC010	Control unit (Master)	**1.000,–**
MM-DXC012	Control unit (Follower)	**770,–**
MM-DXV080	Valve kit up to 8 kW	**460,–**
MM-DXV140	Valve kit up to 14 kW	**460,–**
MM-DXV280	Valve kit up to 28 kW	**460,–**



VRF Hot Water Module

- Highly efficient space heating and domestic hot water
- Water outlet temperature range of +25 - +50 ° C
- No need for electric backup heater
- Very wide operating range for heating water and domestic hot water
- Space-saving design
- Leaving water temperature control
- Connectable to all SMMSi units

Model	Heating capacity [kW]	Water flow Standard / min. [l/min]	Dimensions (H × B × D) (mm)	Water temperature	Single price excl. VAT (EUR)
MMW-AP0271LQ-E	8,00	22,90 / 19,50	580 x 400 x 250	25-50°C	**3.100,–**
MMW-AP0561LQ-E	16,00	45,80 / 38,90	580 x 400 x 250	25-50°C	**3.200,–**

Air handling units with recuperator

SALES
Heat exchanger now in sale.
More on page 63

- Ventilation with heat recovery
- High-efficient fresh air supply
- Up to 75 % of the energy can be recovered
- TCC-link-connection (for central control) possible

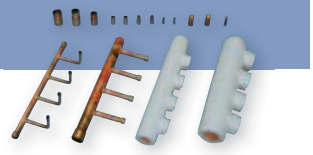
Type	Air flow volume (m^3/h)	Dimensions (H × B × D) (mm)	Pipe connection ∅ (mm)	Single price excl. VAT (EUR)
Air handling unit with recuperator				
VN-M150HE	150	290 × 900 × 900	100	**1.550,–**
VN-M250HE	250	290 × 900 × 900	150	**1.600,–**
VN-M350HE	350	290 × 900 × 900	150	**1.720,–**
VN-M500HE	500	350 × 1140 × 1140	200	**2.200,–**
VN-M650HE	650	350 × 1140 × 1140	200	**2.590,–**
VN-M800HE	800	400 × 1189 × 1189	250	**3.040,–**
VN-M1000HE	1000	400 × 1189 × 1189	250	**3.470,–**
VN-M1500HE	1500	810 × 1189 × 1189	250	**5.720,–**
VN-M2000HE	2000	810 × 1189 × 1189	250	**6.500,–**
Air handling unit with recuperator and DX coil				
MMD-VN502HEXE *	500	430 × 1140 × 1690	200	**3.390,–**
MMD-VN802HEXE *	800	430 × 1189 × 1739	250	**4.013,–**
MMD-VN1002HEXE *	950	430 × 1189 × 1739	250	**4.718,–**
Air handling unit with recuperator, DX coil and humidifier				
MMD-VNK502HEXE *	500	430 × 1140 × 1690	200	**4.485,–**
MMD-VNK802HEXE *	800	430 × 1189 × 1739	250	**6.000,–**
MMD-VNK1002HEXE *	350	430 × 1189 × 1739	250	**7.050,–**

* in connection with SMMSi outdoor units only

Accessories

Type		Single price excl. VAT (EUR)
TCB-DP31HEXE	Drain pump for all ventilation systems of series „-HEXE“	**650,–**
NRC-01HE	Remote control	**110,–**
NRB-1HE	ON/OFF adapter for Air handling unit with recuperator	**110,–**

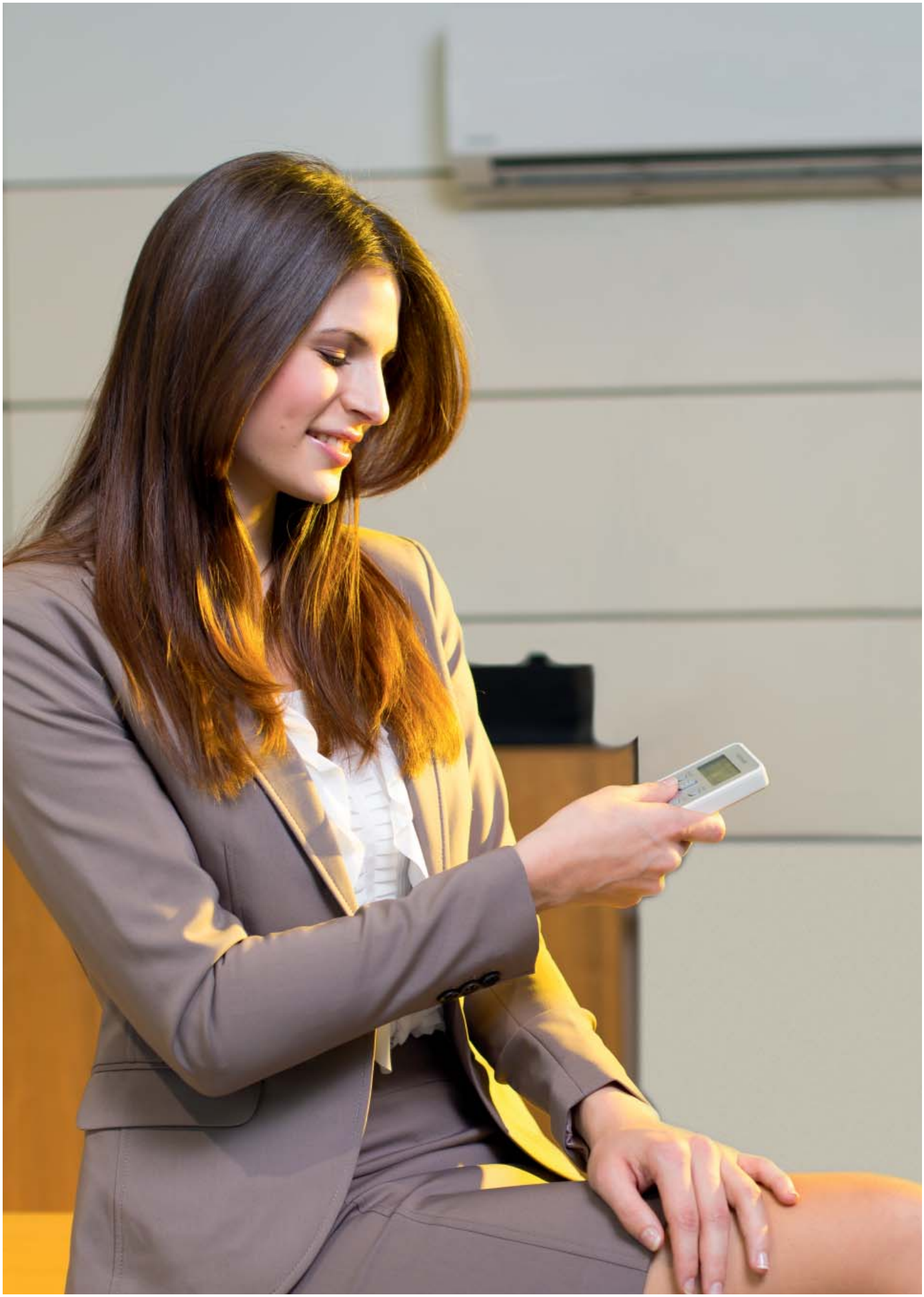
S-MMSi / MiNi-SMMS (2-pipe-system): Branching Joints and Headers



Type	Description	Connected indoor unit capacity (kW)	Connected indoor unit capacity (HP)	Single price excl. VAT (EUR)
Y-shape (two Y-shapes in each packing unit)				
RBM-BY55E	Y- shape	< 18 kW	< 6,4 kW	**90,–**
RBM-BY105E		18 kW < Capacity < 37 kW	6,4 < Capacity < 14,2	**100,–**
RBM-BY205E		37 kW < Capacity < 71 kW	14,2 < Capacity < 25,2	**180,–**
RBM-BY305E		71 kW < Capacity	25,2 < Capacity	**225,–**
4/8-Branch Header (two 4/8-branch headers in each packing unit)				
RBM-HY1043E	4-Branch Header	18 kW < Capacity < 37 kW	6,4 < Capacity < 14,2	**210,–**
RBM-HY2043E		37 kW < Capacity < 71 kW	14,2 < Capacity < 25,2	**230,–**
RBM-HY1083E	8-Branch Header	18 kW < Capacity < 37 kW	6,4 < Capacity < 14,2	**340,–**
RBM-HY2083E		37 kW < Capacity < 71 kW	14,2 < Capacity < 25,2	**400,–**
T-Joints (two T-joints in each packing unit)				
RBM-BT14E	T-shaped connector; in conjunction with 8/10/12 HP units			**290,–**
RBM-BT24E	T-shaped connector; in conjunction with 14/16 HP units			**330,–**

S-HRMi (3-pipe-system): Branching Joints and Headers

Type	Description	Connected indoor unit capacity (kW)	Connected indoor unit capacity (HP)	Single price excl. VAT (EUR)
Y-shape (three Y-shapes in each packing unit)				
RBM-BY55FE	Y- shape	< 18 kW	< 6,4 kW	**130,–**
RBM-BY105FE		18 kW < Capacity < 37 kW	6,4 < Capacity < 14,2	**150,–**
RBM-BY205FE		37 kW < Capacity < 71 kW	14,2 < Capacity < 25,2	**210,–**
RBM-BY305FE		71 kW < Capacity	25,2 < Capacity	**290,–**
4/8-Branch Header (three 4/8-branch headers in each packing unit)				
RBM-HY1043FE	4-Branch Header	< 37 kW	< 14,2	**400,–**
RBM-HY2043FE		37 kW < Capacity < 71 kW	14,2 < Capacity < 25,2	**430,–**
RBM-HY1083FE	8-Branch Header	< 37 kW	< 14,2	**540,–**
RBM-HY2083FE		37 kW < Capacity < 71 kW	14,2 < Capacity < 25,2	**580,–**
T-Joints (three T-joints in each packing unit)				
RBM-BT14FE	T-shaped connector (till 26 HP)			**290,–**
RBM-BT24FE	T-shaped connector (from 26 HP)			**340,–**



LOCAL REMOTE CONTROLS

	Type / Description	Single price excl. VAT (EUR)
	Easy remote control: RBC-AS41E LCD display, temperature setting, mode selector switch, fan control, louver control, room temperature sensor, up to 8 units controllable simultaneously, fault diagnosis system, filter warning light, compatible with TCB-SC642TLE2 (central remote control), but not with TCB-EXS21TLE (7-day timer), DN-code cannot be moved	**105,–**
	Remote control: RBC-AMT32E LCD display, temperature setting, mode selector switch, fan speed control, 168 hours on / off timer, louver control, room temperature sensor, up to 8 units controllable simultaneously, fault diagnosis system, filter warning light, DN-codes adjustable	**95,–**
	Remote control with integrated weekly timer: RBC-AMS41E Same functions as remote control RBC-AMT32E but with an integrated weekly timer, in doing so 8 occasions per day are programmable, DN-codes adjustable	**110,–**
	Comfort remote control: RBC-AMS51E-ES Wired remote control with weekly timer and multilingual menu navigation (D, E), modern design, backlight, hot keys for easy operation, remote temperature sensor integrated, DN-codes adjustable	**145,–**
	Infrared remote control + receiver kit for the 4-way-cassette (DI/S-DI series 4 or SMMSi series 4): RBC-AX32U(W)-E Like RBC-AMT32E but wireless, not compatible with weekly timer; address setting as well as the setting for the automatic restart function are not possible via the infrared remote control	**230,–**
	Infrared remote control and receiver for 2-way-cassette: RBC-AX23UW(W)-E Functions such as RBC-AMT32E but wireless, not compatible with weekly timer; receiver kit can be installed easily on the unit; address setting as well as the setting for the automatic restart function not possible via the infrared remote control	**260,–**
	Infrared remote control + receiver kit for ceiling types and 1-way cassette: RBC-AX33CE Like RBC-AMT32E but wireless, not compatible with weekly timer; receiver kit can be installed easily on the unit; address setting as well as the setting for the automatic restart function not possible via the infrared remote control	**240,–**
	Infrared remote control with external receiver kit: TCB-AX32E2 Infrared remote control kit suitable for all DI/S-DI and SMMSi indoor units; installation on the wall; address setting as well as the setting for the automatic restart function not possible via the infrared remote control	**320,–**

CENTRAL REMOTE CONTROLS

	Type / Description	Single price excl. VAT (EUR)
	Central remote control: TCB-SC642TLE2 Individual control of up to 64 units or unit groups (8 units can be controlled simultaneously per zone), SMMSi indoor units can be controlled directly, DI and S-DI indoor units need the adapter TCB-PCNT30TLE2	**1.000,–**
	7-day-timer: TCB-EXS21TLE LCD display, 3 different on-/off-time settings (programs) per day programmable, each week-day (Mo-Su) can be programmed individually with these 3 programs, holiday function, combination with TCB-SC642TLE2 (central remote control) or alone directly to the TCC-link bus	**390,–**
	On-/Off control for 16 indoor units: TCB-CC163TLE2 16 indoor units can be switched on or off individually or simultaneously within a SMMSi/S-HRMi system	**1.050,–**
	Smart Manager with data analysis: BMS-SM1280ETLE Central remote control for up to 128 indoor units; computer control via network, 7-day-timer and energy accounting software (for electrical bill calculation the BMS-IFWH5E energy monitoring relay interface + kWh-meter + computer with excel is necessary); connected directly to TCC-link bus of the outdoor unit, data analysis, storing the data on a storage medium, software for the graphical view as well as the fault propagation with e-mail	**2.350,–**
	Web based controller: BMS-WB2561PWE Internet server for up to 256 indoor units Connection to TCC-link bus of the outdoor unit via one or several TCS-net relay interface BMS-IFLSV4E	**5.400,–**
	Web based controller: BMS-WB01GTE Internet server for up to 2048 indoor units; Connection of up to 8 BMS-WB2561PWE web based controller via Ethernet	**5.400,–**

BUILDING MANAGEMENT SYSTEMS

Type / Description	Single price excl. VAT (EUR)
Touch Screen and Controller with energy billing: BMS-TP0641PWE* 12" TFT dispay with 600×800 pixel and input by touch screen; Energy accounting software; 240 MHz processor with windows CE ■ Individual control of up to 64 indoor units ■ Record of operating data logging / failure diagnosis ■ Display of unit status, operation mode, room temperature ■ On-/Off ■ Operation mode setting ■ Timer ■ Temperature setting ■ Individual and group control ■ Failure diagnosis system	**4.500,–**
Touch Screen and Controller - with energy billing: BMS-TP5121PWE* like BMS-TP0641PWE but for the individual control of up to 512 indoor units and energy accounting software	**4.995,–**
BACnet server: BMS-LSV9E Adapter for connection of TCC-link network to an BACnet-system	**5.100,–**
BACnet server software: BMS-STBN10E Software for BMS-LSV9E	**2.600,–**
TCS net relay interface: BMS-IFLSV4E Interface between touch screen controller or BACnet server and TCC-link. For max. 64 indoor units or max. 16 systems	**960,–**
LonWorks Gateway for TCC-link: TCB-IFLN642TLE for controlling of up to 64 indoor units	**1.600,–**
Software „Interactive Intelligence II": RBC-WP1-PE for controlling of SMMSi/SHRMi via computer (optional LonWorks interface TCB-IFLN642TLE necessary)	**6.200,–**
ModBus Inferface: TCB-IFMB641TLE Adapter for connecting TCC-link network to a modbus system	**2.000,–**
Analogue interface: TCB-IFCB640TLE	**2.100,–**
General purpose interface: TCB-IFCG1TLE	**2.100,–**
Digital input/output relay interface: BMS-IFDD03E 8 inputs / 4 outputs	**1.200,–**
Energy monitoring relay interface: BMS-IFWH5E Energy billing module with daily and monthly billing option; kWh-meter must be installed on site (max. 10 pulse per kWh) / for max. 8 kWh-meter	**1.200,–**

*available, while stocks last

Control options

Type / Description	Single price excl. VAT (EUR)
Analogue interface: RBC-FDP3-PE Interface to control the temperature, fan speed, mode, louver, on/off and lock of indoor unit through 0 – 10 V signal	**500,–**
Fault, indication and remote on/off module: TCB-IFCB-4E2 Floating contacts for operation and fault indication; Connections for external on/off	**325,–**
Window switch & on/off: TCB-IFCB5-PE Potential-free contact for on/off and window switch control	**48,–**
TCB-PX100-PE Chassis for TCB-IFCB5-PE	**34,–**
Remote temperature sensor: TCB-TC21LE2 Chassis with external room temperature sensor	**95,–**
TCC-link adapter: TCB-PCNT30TLE2 Adapter of DI & S-DI TCC-link to VRF TCC-link	**115,–**
TCB-PX30MUE Terminal box for TCC-link adapter TCB-PCNT30TLE2	**95,–**
DI, S-DI redundancy module: TC-USB-EVO-1 Redundancy switch box	**1.350,–**
33NT900062M, TOSHIBA thermostat, temperature monitoring + activation 2nd system; Phase-out model, available while stocks last	**110,–**
33NT400072M TOSHIBA thermostat, temperature monitoring + activation 2nd system	**190,–**
Application control kit for DI outdoor units series 4: TCB-PCOS1E2 Inputs for reduction of capacity and sound, output for compressor „on“	**240,–**
CDU control for Super DI outdoor units series 4: TCB-KBOS1E (Sizes 11 + 14) and DI Big, inputs for reduction of capacity and sound, output for compressor „on“	**40,–**
Fault indication module*: TCB-PCIN4E Operating and fault message output	**125,–**
Antifreeze; remote on/off module*: TCB-PCM04E Inputs for ext. on/off, priority cooling/heating, sound reduction and outdoor unit fan „on“	**90,–**
Module for energy limitation/load control*: TCB-PCDM4E Inputs for ext. on/off and reduction of capacity (6 stages)	**115,–**
TCB-IFGSM1E: GSM control interface	**670,–**

* for S-MMS, MiNi, SMMSi and S-HRMi outdoor units

Special accessories RAV / VRF

Type	Description	Packaging unit	Price per piece excl. VAT (EUR)
Connector with cable: Connection cable (50 cm) plus connector for the control of equipment on site			
TCB-KBCN32VEE	Connector with cable for CN32	1 pcs.	**4,–**
TCB-KBCN60OPE / CN60	Connector with cable for CN60	1 pcs.	**8,–**
TCB-KBCN61HAE	Connector with cable for CN61	1 pcs.	**8,–**
TCB-KBCN70OAE	Connector with cable for CN70	1 pcs.	**4,–**
TCB-KBCN73DEE	Connector with cable for CN73	1 pcs.	**4,–**
TCB-KBCN80EXE	Connector with cable for CN80	1 pcs.	**4,–**

TOSHIBA SERVICE PROGRAMS

- Computer software for the service technique
- Display and record of data of the units: unit on/off, cooling or heating operation, PMV open level, temperature data, pressure level, compressor on/off
- Check code consisting of: adapter box, cable for the unit, cable for the computer and CD-ROM

Type	Additional information	Price per unit excl. VAT (EUR)
RBC-RD3-PE	Leak Detektor	**660,–**
4316V413	Dyna Doctor Hardware	**1.500,–**
43183027	Software S-MMS & S-HRM	
43183028	Software Mini S-MMS	
43183030	Software DI, S-DI & IMS	
43183032	Software SMMSi	
37589712	Software ESTIA	

FREE DOWNLOAD ON OUR WEBSITE!

Software for the Dyna Doc is available free for download:
www.air-cond.com

- Partner Login
- Downloads
- Software
- Dyna Doctor

ESTIA Outdoor units

SALES
ESTIA series 3 – now selling at attractive prices!
More on page 63

- TOSHIBA twin rotary compressor
- Inverter control
- Extremely high levels of efficiency - COP up to 4,88
- Piping length up to 30 m
- Cooling operation

Type	Capacity (kW)		Power consumption (kW)		Efficiency		Dimensions (H × B × D) (mm)	Price (EUR) excl. VAT
	●	●	●	●	●	●		
1-phase								
HWS-804H-E	8,00	6,00	1,79	1,94	4,46	3,10	890 × 900 × 320	**2.520,–**
HWS-1104H-E	11,20	10,00	2,30	3,26	4,88	3,07	1340 × 900 × 320	**3.000,–**
HWS-1404H-E	14,00	11,00	3,11	3,81	4,50	2,89	1340 × 900 × 320	**3.300,–**
3-phase								
HWS-1104H8-E	11,20	10,00	2,34	3,26	4,80	3,07	1340 × 900 × 320	**3.220,–**
HWS-1404H8-E	14,00	11,00	3,16	3,81	4,44	2,89	1340 × 900 × 320	**3.540,–**
HWS-1604H8-E	16,00	13,00	3,72	4,80	4,30	2,71	1340 × 900 × 320	**4.050,–**

● Heating ● Cooling

Hydro box

SALES
ESTIA series 3 – now selling at attractive prices!
More on page 63

- A-Class Water Pump (EEI ≤ 0,23)
- Plate heat exchanger
- Leaving water temperature:
  - Heating: 20 - 55 °C
  - Cooling: 7 - 30 °C
- 2 zone temperature control
- Remote control included

Type	Compatibility with outdoor units	Electric back up heater	Dimensions (H × B × D) (mm)	Price (EUR) excl. VAT
HWS-804XWHM3-E	HWS-804H-E	230 V; 3 kW	925 × 525 × 355	**3.600,–**
HWS-804XWHT6-E		2 × 230 V; 6 kW	925 × 525 × 355	**3.650,–**
HWS-804XWHT9-E		3 × 230 V; 9 kW	925 × 525 × 355	**3.750,–**
HWS-1404XWHM3-E	HWS-1104, 1404H-E HWS-1104, 1404, 1604H8-E	230 V; 3 kW	925 × 525 × 355	**4.350,–**
HWS-1404XWHT6-E		2 × 230 V; 6 kW	925 × 525 × 355	**4.450,–**
HWS-1404XWHT9-E		3 × 230 V; 9 kW	925 × 525 × 355	**4.550,–**

ESTIA

ESTIA hot water tank

- Stainless steel - isolated
- Electric backup heater with 2,75 kW
  (for legionella control and water heating > 43°C)
- Temperature sensor included
- Safety thermo element

Type	Content liter	Max. water temperature	Electric heater (kW)	Current	Height (mm)	Diameter (mm)	Material	Price (EUR) excl. VAT
HWS-1501CSHM3-E	150	75	2,75	1-phase 230 V	1.090	550	Stainless steel	**1.190,–**
HWS-2101CSHM3-E	210	75	2,75		1.474	550		**1.400,–**
HWS-3001CSHM3-E	300	75	2,75		2.040	550		**1.650,–**

ESTIA accessories

Type	Description	Price (EUR) excl. VAT
TCB-PCM03E	**Interface for external inputs (voltage free contacts):** ■ Input for heating requirement (room thermostat) ■ Input for cooling requirement (room thermostat) **Alternatively,** the two inputs can be used as follows: ■ Input for external emergency stop switch-off ■ Input for hot water demand to the tank	**100,–**
TCB-PCIN3E	**Interface for external outputs (voltage free contacts):** ■ Output for activating external heating system ■ Output for alarm signals **Alternatively,** the two outputs can be used as follows: ■ Defrost signal output ■ Operation signal output	**135,–**
Sensor 95612037	**Temperature sensor for on-site hot water tank**	**50,–**
HWS-AMS11E	**Remote control**	**170,–**

Measuring conditions for TOSHIBA air-to-water heat pump:

Heating: Outdoor temperature: 7 °C DB, 6 °C WB, Leaving water temperature 35 °C, deltaT = 5 °C
Cooling: Outdoor temperature: 35 °C DB, Leaving water temperature 18 °C, deltaT = 5 °C
Refrigerant pipes: 7,5 m length and no height difference between indoor and outdoor unit
Sound pressure level: measured in 1 m distance to outdoor unit according to „JIS“ standard

* Accurate measurement arrangement see data book

60
40
STN EN 13190
°C

SALES

SALES PRICE LIST

On the following pages you will find all the discounted models that are currently in stock.
Please note that all units are only available while stocks last.
Repeat orders are not possible.

Current quantity of items on stock is available in our stock availability-page on our partner portal at any time.

AVANT INVERTER SERIES 5

- Entry inverter - now at a super sale price!
- Beautiful, compact design
- Washable filters, optional filter strips

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
RAS-107SKV-E5	**2,50**	**3,20**	A/A	5,10	3,60	275 × 790 × 205	0,28 - 1,05	0,21 - 1,20	55 / 56	**240,–**	**780,–**
RAS-107SAV-E5	(1,10 - 3,00)	(1,00- 3,50)				530 × 660 × 240			63 / 65	**540,–**	
RAS-137SKV-E5	**3,15**	**3,60**	B/A	4,80	3,40	275 × 790 × 205	0,29 - 1,50	0,22 - 1,40	56 / 57	**240,–**	**860,–**
RAS-137SAV-E5	(1,10 - 3,60)	(1,10 - 4,00)				530 × 660 × 240			63 / 65	**620,–**	

Super Daiseikai 6

- Inverter unit with great efficiency - now in sale!
- Highly efficient filter system because of plasma filter and ionizer

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B ×D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
RAS-10SKVP2-E	**2,50**	**3,20**	A/A	7,30	4,10	275 × 790 × 205	0,10-0,87	0,63	55 / 56	**330,–**	**1.135,–**
RAS-10SAVP2-E	(0,55 - 3,50)	(0,50 - 6,50)				630 × 800 × 300			47 / 60	**805,–**	
RAS-13SKVP2-E	**3,50**	**4,20**	A/A	6,80	4,00	275 × 790 × 205	0,11-1,37	0,95	56 / 57	**370,–**	**1.320,–**
RAS-13SAVP2-E	(0,60 - 4,50)	(0,50 - 7,70)				630 × 800 × 300			50 / 63	**950,–**	
RAS-16SKVP2-E	**4,50**	**5,50**	A/A	6,40	4,00	275 × 790 × 205	0,15-1,82	1,47	58 / 58	**404,–**	**1.616,–**
RAS-16SAVP2-E	(0,80-5,00)	(0,70 - 8,00)				630 × 800 × 300			50 / 63	**1.212,–**	

Super Daiseikai 6.5

- Inverter unit with great efficiency - now in sale!
- Highly efficient filter system because of plasma filter and ionizer
- Optional with silver panel + comfort remote control

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × B × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	●	●	● / ●	SEER	SCOP		●	●	● / ●	excl. VAT (EUR)	
RAS-B10N3KVP-E	**2,51**	**3,21**	A^{+++}/A^{++}	8,50	4,60	275 × 790 × 225	0,14-0,90	0,15-1,90	57 / 58	**450,–**	**1.520,–**
RAS-10N3AVP-E	(0,80 - 3,50)	(0,80 - 5,80)				630 × 800 × 300			61 / 62	**1.070,–**	
RAS-B13N3KVP-E	**3,52**	**4,22**	A^{++}/A^{+}	7,00	4,50	275 × 790 × 225	0,16-1,37	0,95	58 / 59	**480,–**	**1.700,–**
RAS-13N3AVP-E	(0,90 - 4,10)	(0,80 - 5,90)				630 × 800 × 300		0,16-1,95	63 / 65	**1.220,–**	
RAS-B16N3KVP-E	**4,53**	**5,53**	A^{++}/A^{+}	6,60	4,30	275 × 790 × 225	0,16-1,82	1,47	60 / 60	**530,–**	**2.130,–**
RAS-16N3AVP-E	(0,90-5,00)	(0,80 - 6,70)				630 × 800 × 300		0,17-2,51	64 / 65	**1.600,–**	

Accessories

Type		Single price excl. VAT (EUR)
43T09487	Panel in silver, compatible with all sizes	**55,–**
1110275801SS	Comfort remote control	**70,–**

SALES

FLEXI-MODELS

- Flexible installation options: as ceiling or hi-wall
- In combination with Digital Inverter outdoor units
- Single version

Type	Capacity (kW)		Energy label	Dimensions (H × B × D) (mm)	Sound power level (dB(A))	Single price	Set price
	●	●	● / ●		● / ●	excl. VAT (EUR)	
RAV-SM562XT-E	5,00	5,60	D/C	208 × 1093 × 633	46 / 48	595,–	1.795,–
RAV-SM564ATP-E				550 × 780 × 290	63 / 65	1.200,–	

VRF Ceiling - series 4

- Easy installation
- Low height
- Refrigerant pipes can be inserted from rear, right or on the top side of the unit
- Optional drain pump

Type	Capacity (kW)			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
MMC-AP0154H-E	4,50	5,00	1,7	210 × 910 × 680	720	35 / 35	1.160,–
MMC-AP0184H-E	5,60	6,30	2	210 × 910 × 680	780	36 / 36	1.230,–
MMC-AP0244H-E	7,10	8,00	2,5	210 × 1180 × 680	1110	38 / 38	1.290,–
MMC-AP0274H-E	8,00	9,00	3	210 × 1180 × 680	1110	38 / 38	1.390,–
MMC-AP0364H-E	11,20	12,50	4	210 × 1595 × 680	1650	41 / 41	1.530,–
MMC-AP0484H-E	14,00	16,00	5	210 × 1595 × 680	1800	43 / 43	1.700,–

● Cooling ● Heating

** Specification with the highest / lowest fan speed

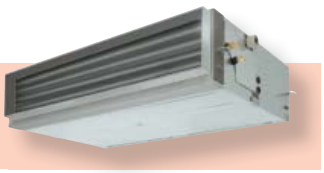
SALES

VRF 2-way Cassette

Type	Capacity (kW)			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
MMU-AP0071WH	2,20	2,50	0,8	398 × 830 ×550	570	34	**400,–**
MMU-AP0181WH	5,60	6,30	2	398 × 1350 × 550	780	35	**450,–**
MMU-AP0241WH	7,10	8,00	2,5	398 × 1350 × 550	1140	38	**480,–**
MMU-AP0271WH	8,00	9,00	3	398 × 1350 × 550	1140	38	**490,–**
MMU-AP0301WH	9,00	10,00	3,2	398 × 1350 × 550	1260	40	**540,–**
Panels							
RBC-UW136PG (MMU-AP0071WH)				8 × 1000 × 650			**112,–**
RBC-UW266PG (MMU-AP0181-0301WH)				8 × 1520 × 650			**150,–**

● Cooling ● Heating

VRF Standard Duct series 4



Type	Capacity (kW)			Dimensions (H × B × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
MMD-AP0074BH-E	2,20	2,50	0,8	320 × 550 × 800	480	30 / 30	**760,–**
MMD-AP0094BH-E	2,80	3,20	2	320 × 550 × 800	480	30 / 30	**900,–**
MMD-AP0274BH-E	8,00	9,00	2,5	320 × 1000 × 800	1140	33 / 33	**990,–**

● Cooling ● Heating

** Specification with the highest / lowest fan speed

VRF Outdoor units

Type	Capacity (kW)			Dimensions (H × B × D) (mm)	Weight (kg)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	●	●	Code (HP)				
SMMS Outdoor units							
MMY-MAP1001HT8-E	28,00	31,50	10	1800 × 990 ×750	256	58/57	**7.200,–**
MMY-MAP1201HT8-E	33,50	37,50	12	1800 × 990 ×750	256	60/59	**7.800,–**
SMMSi Outdoor units							
MMY-MAP0804HT8-E	22,40	25,00	8	1830 × 990 ×755	241	56/55	**8.620,–**
MMY-MAP1004HT8-E	28,00	31,50	10	1830 × 990 ×755	241	58/57	**8.990,–**
MMY-MAP1404HT8-E	40,00	45,00	14	1830 ×1210 ×755	329	62/60	**12.100,–**
MMY-MAP1604HT8-E	45,00	50,00	16	1830 ×1210 ×755	329	64/62	**12.990,–**
SHRM							
MMY-MAP0802FT8-E	22,40	25,00	8	1800 ×990 ×750	263	57/55	**9.000,–**
MMY-MAP1002FT8-E	28,00	31,50	10	1800 ×990 ×750	263	59/57	**9.690,–**
MMY-MAP1202FT8-E	33,50	37,50	12	1800 ×990 ×750	263	62/60	**11.000,–**

● Cooling ● Heating

** Specification with the highest / lowest fan speed

Air handling units with recuperator

Type	Air flow volume (max.) (m³/h)	Dimensions (H × B × D) (mm)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
VN-350TE	350	270 × 882 × 804	31 / 30	**1.000,–**
VN-800TE	800	388 × 1322 × 884	38 / 37	**1.850,–**
VN-1KTAE	1000	388 × 1322 × 1134	37,5 / 36,5	**2.100,–**

● Cooling ● Heating

** Specification with the highest / lowest fan speed

ESTIA Outdoor units

Type	Capacity (kW)		Power consumption (kW)		Efficiency		Dimensions (H × B × D) (mm)	Price (EUR) excl. VAT
	●	●	●	●	●	●		
3-phase								
HWS-1103H8-E	11,20	10,00	2,39	3,52	4,69	2,84	1340 × 900 × 320	**3.000,–**
HWS-1603H8-E	16,00	13,00	3,72	4,80	4,30	2,71	1340 × 900 × 320	**3.850,–**
1-phase								
HWS-803H-E	8,00	6,00	1,82	2,13	4,40	2,82	890 × 900 × 320	**2.500,–**
HWS-1103H-E	11,20	10,00	2,32	3,52	4,77	2,84	1340 × 900 × 320	**2.900,–**
HWS-1403H-E	14,00	11,00	3,11	4,08	4,50	2,70	1340 × 900 × 320	**3.200,–**

● Heating ● Cooling

Hydro Box

Type	Compatibility with outdoor units	Electric back up heater	Dimensions (H × B × D) (mm)	Price (EUR) excl. VAT
HWS-803XWHM3-E	HWS-803H-E	230 V; 3 kW	925 × 525 × 355	**3.000,–**
HWS-803XWHT6-E		2 × 230 V; 6 kW	925 × 525 × 355	**3.340,–**
HWS-803XWHT9-E		3 × 230 V; 9 kW	925 × 525 × 355	**3.450,–**

SALES